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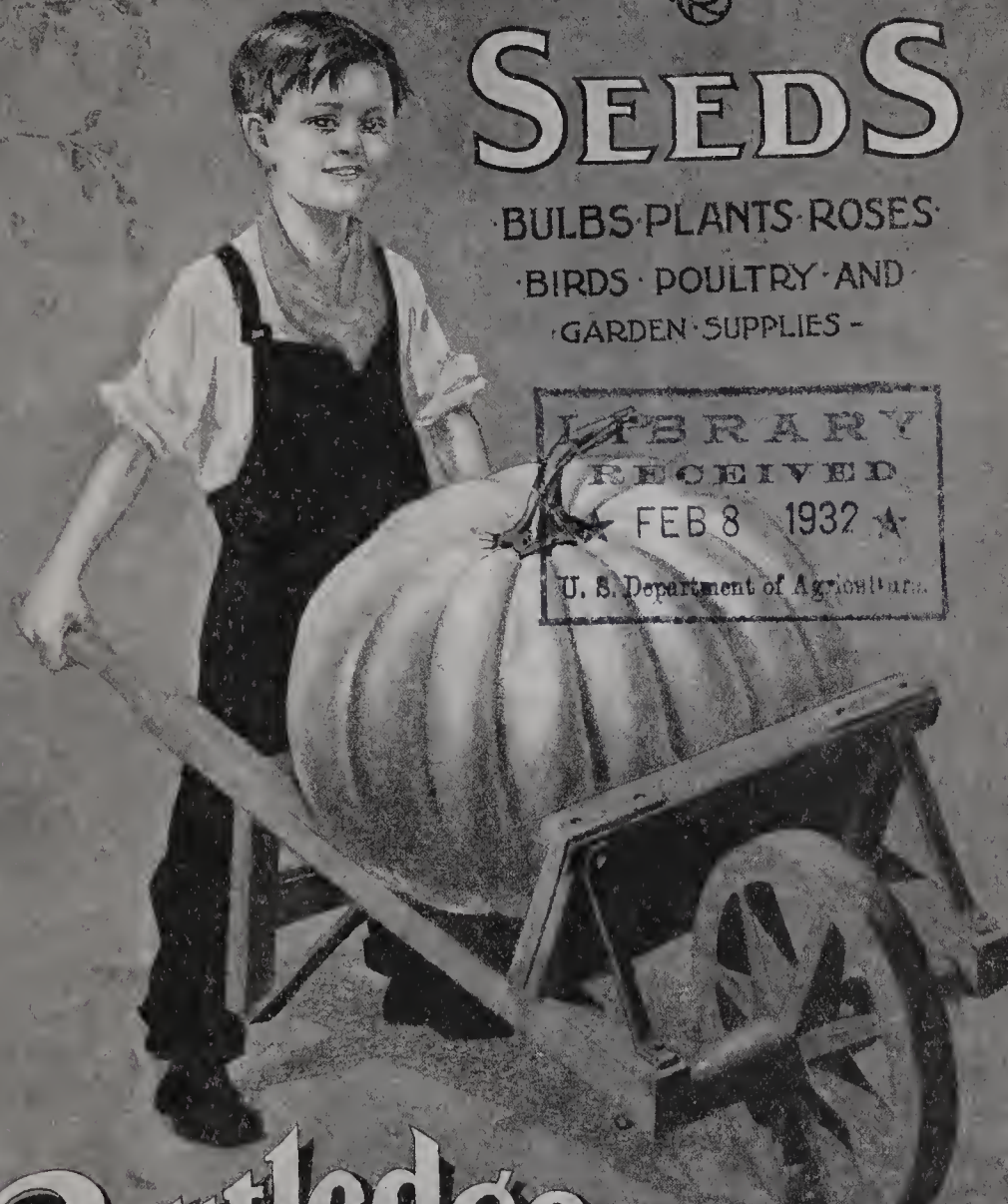
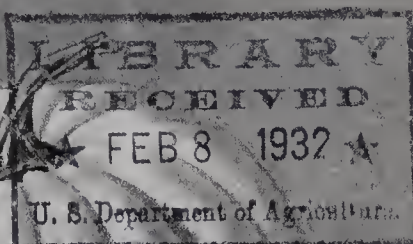


6-21-77

OUR COMPLETE  
ANNUAL CATALOG  
"HIGHEST QUALITY"

SEEDS

BULBS · PLANTS · ROSES ·  
BIRDS · POULTRY · AND  
GARDEN SUPPLIES -



Routledge  
SEED & FLORAL CO.

WEST SIDE STORE  
145-147 - 2<sup>ND</sup> ST.

PORTLAND - ORE.

EAST SIDE STORE  
GRAND AV. - COR. STARK

Feb 4 1932



# 1932 — OUR 23RD ANNUAL CATALOG — 1932

## A Truthful, Reliable Western Catalog for Western Buyers

### Greetings to Our Customers and Friends:

On this New Year's Day we extend to all our customers and friends the "season's greetings." We wish you a very happy, prosperous and successful New Year.

We have re-written and revised this catalog, although we have made it smaller and more condensed enabling us to reduce prices. Some stocks have been discarded and others of increased value added.

We have made prices very low, although some short crops really do not warrant it, but we'll hope to gain by increased business.

We have moved our main office to our West Side Store, but we still maintain a complete and up-to-date East Side Store at 72 Grand Avenue, near East Stark, but note we have no connection with the Seed Store on Hawthorne Avenue. We mention this as many of our customers think it is a branch store of ours.

Remember our motto is "Quality First" then prices as low as we can make them. We are in close touch with the world's best markets and know that our "prices" and "quality" are right.

We certainly appreciate the support given us and thank you sincerely for past orders, and hope that we will have the pleasure of serving you again this year.

TELEPHONE AT. 0103—EA. 4646

ROUTLEDGE SEED & FLORAL CO., INC.

NEW EAST SIDE STORE, 70 Grand Avenue, Near East Stark.

WEST SIDE STORE, OFFICE, MAIL ORDER, RECEIVING DEPT., 145-147 Second Street, between Morrison and Alder.

**SEEDS BY PARCEL POST.**—On Cash Mail Orders we will at prices printed in this catalog send by prepaid parcel post all Seeds from packets to 5-lb. lots, anywhere within the 4th Zone from Portland, beyond the 4th Zone and on all other stocks send postage at parcel post weight, unless otherwise stated.

**OUR TERMS ARE STRICTLY CASH.—NO C. O. D. SHIPMENTS.**—The proper remittance must in all cases accompany the order. Send money by bank draft, postoffice or express money order. Personal checks if O. K., also postage stamps for small amounts. We will not be responsible for stamps or coin sent in unregistered letters.

### Free Seeds on Mail Orders Before February 20th.

To stimulate early mail orders between January 1st and February 20th, 1932, we give free **your choice** of any three 10c pkts. of seeds we list provided your cash order amounts to \$1.00 or over and if asked for when order is sent in.

**Extra Premium**—A surprise premium in addition to above (value 10c) will be given if your order is received before February 5th.

### PETS FOR SALE

Puppies—All Breeds  
Persian Kittens  
Guinea Pigs  
Write for prices or see  
them at our stores.



### CAT SUPPLIES

Catnip Mice, 15c, postpaid 20c.  
Catnip Balls 20c, postpaid 25c.  
Catnip Leaves 15c, postpaid 20c.  
Special, 1 of each for 40c, postpaid.  
Spratt's Cat Food 40c, postpaid.  
Crispsett's New Food 15c lb., 2 for 25c,  
postage extra.  
Cat Medicine of all kinds.

### A New and Better GARDEN GLOVE



*National*  
**Eezy Wear**  
*Garden Gloves*

Made from special imported hides processed to render them amazingly soft and pliable. Permit almost barehand freedom yet provide complete all-leather protection. Ideal for garden and similar uses.

### Dirt-proof .. Durable .. Washable

Four sizes: "SMALL" and "MEDIUM" for Women, "MEDIUM" and "LARGE" size for Men. Price, 75c a pair—2 pairs for \$1.40. This is the first time we have ever offered an all-leather garden glove with these special qualities at such a low price.

NOTE.—We use every precaution in procuring fresh, pure and reliable seeds, etc., but we, in common with other responsible seed houses, sell our goods subject to the following disclaimer, it being that adopted by the American Seed Trade Association, i. e.: We give no warranty, expressed or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, nursery stock, roots or plants sent out and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are to be returned at once.

ROUTLEDGE SEED & FLORAL CO.

Quality will be remembered long after the price is forgotten. Quality, not price, is the first consideration in buying seed. Considering quality, our prices are reasonable.

## ARTICHOKE

**LARGE GREEN GLOBE.**—The green buds are used. Start in hotbeds. They can be grown successfully in the Northwest. Pkt. 15c; oz. 80c.

**JERUSALEM.**—The tubers are grown for stock feed. 3 lbs. 30c, postpaid; 100 lbs. @ \$2.50. Write for quantity price.

## BEANS

Prices, except as noted.—Pkt. 10c; ½ lb. 20c; 1 lb. 30c; 5 lbs. \$1.40, postpaid.

### DWARF VARIETIES

**STRINGLESS GREEN POD.**—The popular Bean is unequaled as a first-early; also for main crop. It combines unusual hardiness, extreme earliness, wonderful productiveness and highest quality of pods.

**STRINGLESS REFUGEE.**—Very hardy and extremely productive. Pods round and straight, tender, brittle, absolutely stringless; medium early. Unsurpassed for pickling or canning.

**DWARF HORTICULTURAL.**—The best dwarf sort for green shell beans. Plants very productive, pods broad and thick, with splashes of bright red on a yellowish ground. Fine quality.

**PENCIL POD BLACK WAX.**—Early and Stringless.—A prolific cropper, superlative quality, handsome long yellow pods, almost round, very meaty and sweet and perfectly stringless. Valuable for its productiveness and disease-resisting qualities.

**IMPROVED GOLDEN WAX.**—Medium early, heavy cropper. Pods are golden yellow, fleshy, brittle, and have an exceptionally rich, buttery flavor.

**BRITTLE WAX.**—Extremely early, heavy cropper. The handsome pods are long, round, fleshy, tender, "brittle" and entirely stringless at all stages of growth. Quality unsurpassed.

**SURECROP STRINGLESS WAX.**—Pods long, straight, well rounded. Rich and mild in flavor.

**WARDWELL'S KIDNEY WAX.**—A popular and well-known variety; pods long, golden-yellow, brittle and stringless.

**DAVIS KIDNEY WAX.**—The pods are long and straight, light cream, excellent quality, good shippers. Seeds white.

**CASTOR BEAN.**—Used for medicinal purposes and by some claimed to keep moles away. Ornamental foliage, 4 ft. Large pkt. 20c; lb. 1.00.

### POLE BEANS

**ROUTLEDGE GIANT.**—It is a quick grower, very early and produces the most wonderful long, plump, meaty pods that are tender, brittle and of delicious mild flavor when cooked. The extremely long pods of the Routledge Giant picked in their prime are entirely stringless. The quality is superb for canning or used fresh as a stringless "snap" bean. Lightly penciled with carmine which disappears when cooked. Large pkt. 15c; ½ lb. 25c; lb. 45c.

**IMPROVED KENTUCKY WONDER (Asparagus).**—A very popular variety; (often sold as asparagus). The long green pods come early and remain in "fit" condition a long time. Very tender and of delicious flavor.

## ASPARAGUS

**MARY WASHINGTON.**—The strain we offer has been produced from seed of the most uniform rust-resistant, highest yielding, largest in size and quickest-growing plants. A very profitable variety. Pkt. 10c; oz. 30c; 4 oz. 90c; lb. \$2.50.

**ASPARAGUS ROOTS.**—You can save two or three years' time by buying Asparagus Roots. For prices, see Vegetable Roots, page 12.

**KENTUCKY WONDER WAX.**—The best wax podded pole bean. Pods long, yellow, very fleshy and stringless and of excellent quality.

**HORTICULTURAL POLE (Cranberry).**—Pods rather short, broad, green streaked with red. Of fine quality, either as green shelled or dry.

**SCARLET RUNNER.**—Grown mostly for ornamental purposes; flowers are a most brilliant scarlet; beans broad and flat. Pkt. 15c; ½ lb. 25c; lb. 45c.

### LIMA BEANS

**OREGON POLE LIMA.**—The best lima bean for the Northwest. Strong, vigorous grower; large, broad pods freely produced. The large, plump white beans are of delicious quality, shelled or dry.

**BURPEE'S IMPROVED BUSH LIMA.**—The best bush lima for Oregon. Large, broad pods, excellent flavor. Pods contain from four to six very large beans of greenish-white color.

### DRY TABLE BEANS

**IMPROVED TREE BEAN.**—The dry bean is small, white, plump and almost round. Cooking and eating qualities are unsurpassed. Matures early; very productive and better than "Navy" white is quite late.

**LADY WASHINGTON.**—A small pure white bean of fine quality and flavor. A little larger than white Navy.

## TABLE BEETS

**ROUTLEDGE FAVORITE.**—The best of all for home gardens. Medium early, tops small, splendid keeper, remaining in prime condition a long time. The flesh rich red, exceedingly tender, fine and sweet and is unequaled for table use. Pkt. 10c; oz. 20c; 4 oz. 50c; lb. \$1.25.

**CROSBY'S EGYPTIAN.**—Popular variety. Extremely early. Beets very smooth, fine color. Flesh rich red, fine grained, sweet and tender. Pkt. 10c; oz. 15c; 4 oz. 30c; lb. 75c.

**DETROIT DARK RED.**—Excellent variety. dark skin and rich red flesh, maturing early and keeps well. Pkt. 10c; oz. 15c; 4 oz. 30c; lb. 75c.

**IMPROVED EARLY BLOOD TURNIP.**—Roots dark red and nearly round. Flesh deep red zoned with lighter shade; sweet, crisp and tender. An excellent sort. Pkt. 5c; oz. 15c; 4 oz. 30c; lb. 75c.

**HALF LONG BLOOD.**—Quite popular. Excellent in shape and quality; yields well. Pkt. 5c; oz. 15c; 4 oz. 30c; lb. 75c.

## SWISS CHARD

### Or Spinach Beet

**GIANT LUCULLUS.**—The leaves are used for "greens" and prepared in the same manner as Spinach; the mid-rib of large leaves can be prepared like asparagus. Pkt. 10c; oz. 15c; 4 oz. 30c; lb. 85c.

FOR THE HOME GARDEN WHERE SPACE IS LIMITED POLE BEANS ARE MOST DESIRABLE AS THEY ARE MORE PRODUCTIVE AND REQUIRE LESS GROUND SPACE.

TREAT YOUR BEAN SEEDS WITH NITRAGIN. READ ABOUT IT ON PAGE 9.



## BEETS (Continued)

### STOCK BEET—"MANGELS"

Prices on following kinds: Pkt. 5c; oz. 15c; 4 oz. 20c; lb. 50c; 5 lbs. \$2.25, postpaid.

**DANISH SLUDSTRUP.**—long, reddish-yellow, grows well above the ground and is easy to pull. Awarded first-class certificate by Denmark.

**GIANT YELLOW ECKENDORF.**—Giant, smooth, long roots of cylindrical shape, weighing up to 20 pounds each and growing two-thirds above ground. Solid white flesh with high food value.

**GOLDEN TANKARD.**—A smooth, yellow-fleshed mangel of large size, growing largely above ground, making it easy to harvest.

**GIANT HALF SUGAR.**—Cross between a mangel and sugar beet. Flesh white and exceedingly rich and nutritious. Yields a heavy crop. Very popular.

**MANMOTH LONG RED.**—Very popular sort. Grow large and heavy. Skin red, flesh white and rich. Grows half above the ground.

## BRUSSELS SPROUTS

**PERFECTION.**—Of dwarf growth with stems thickly set with large, solid sprouts. Very hardy. Pkt. 10c; oz. 30c; 4 oz. 85c.

## CHICORY

**LARGE ROOTED OR COFFEE.**—A substitute or adulteration for coffee. Pkt. 10c; oz. 20c; 4 oz. 50c.

## CHERVIL

**CURLED.**—An aromatic herb, resembling parsley. Pkt. 10c; oz. 25c; 4 oz. 90c.

## CRESS

**CURLED OR PEPPER GRASS.**—Used as a salad and fine for garnishing. Pkt. 10c; oz. 20c; 4 oz. 40c.

**TRUE WATER.**—Pkt. 10c; oz. 50c;

## COLLARDS

**TRUE GEORGIA.**—Leaves are used as "greens." Pkt. 10c; oz. 20c; 4 oz. 65c.

## CORN SALAD

**FETTICUS OR LAMB'S LETTUCE.**—This is a hardy winter salad, the small leaves being served like lettuce. Pkt. 10c; oz. 30c.

## CAULIFLOWER PLANTS, Page 10

**ROUTLEDGE "SNOW WHITE."**—The finest Cauliflower grown. In competition with all other strains, this cauliflower has won the approval of critical gardeners. It is suitable not only for early use, but is superior for late planting. The heads are large, compact, firm and solid. No other variety surpasses it in purity of color, being clear snow white. Of high quality. Pkt. 20c; ¼ oz. 75c; ½ oz. \$1.40; oz. \$2.50.

**EARLY SNOWBALL.**—Its earliness, compact habit, large-sized heads and snow-white color recommend it to every grower as a variety of especial merit. Pkt. 10c; ¼ oz. 60c; oz. \$2.00; 4 oz. \$5.00.

**VEITCH'S AUTUMN GIANT.**—A hardy variety, making extra large, white heads. Vigorous and thrifty. Excellent for late crop. Pkt. 10c; ½ oz. 60c; oz. \$1.00; 4 oz. \$3.25.

## CABBAGE Cabbage Plants, Page 10

Our Cabbage Seeds come from the world's best growers—pure, true strains, of highest quality. One ounce will produce over 3,000 plants. One-quarter pound of seed will produce plants sufficient for one acre.

**EARLYJERSEY WAKEFIELD.**—The earliest of first early cabbages. Our stock is grown and selected with the greatest care; there is none better. Head conical, very compact, solid and of excellent quality. Pkt. 10c; oz. 25c; 4 oz. 80c; lb. \$2.50.

**LARGE (OREGON) WAKEFIELD.**—A large strain of Jersey Wakefield; heads nearly double in size, not so pointed. Excellent quality. Pkt. 10c; oz. 25c; 4 oz. 75c; lb. \$2.50.

**COPENHAGEN MARKET.**—The earliest large round-headed cabbage yet introduced. The plant is compact, with short stem and few outer leaves. Heads round, very solid and of exceptionally good quality. Pkt. 10c; oz. 30c; 4 oz. 90c; lb. \$3.00.

**GOLDEN ACRE.**—It is claimed to be the earliest round-headed cabbage and that it matures before Early Jersey Wakefield. The heads are round and firm with few outer leaves; and average about four pounds. Excellent for the home garden; of highest quality. Pkt. 10c; oz. 30c; 4 oz. 85c; lb. \$2.75.

**DANISH ROUND HEAD.**—An earlier short-stemmed strain of the famous Danish Ball Head. Large and very solid round head. It is 10 days to 2 weeks earlier and is a wonderful yielder. Pkt. 10c; oz. 30c; 4 oz. 85c; lb. \$2.50.

**DANISH BALL HEAD.**—True, highest quality seed. Most remarkable late cabbage yet produced, heads large and solid—fine grained and tender. Exceedingly hardy in resisting cold and wet weather. We offer true, pure seed of the very finest medium tall or "middle-stem" type. Famous for its hard-heading qualities. Pkt. 10c; oz. 30c; 4 oz. \$1.00; lb. \$3.00.

**PREMIUM LATE FLAT DUTCH.**—A low growing variety; heads large, bluish-green; round, solid, broad and flat on top; an excellent fall and winter variety and a good keeper. Pkt. 10c; oz. 25c; 4 oz. 80c; lb. \$2.50.

**MANMOTH ROCK RED.**—Best hard-headed, red variety. Pkt. 10c; oz. 30c; 4 oz. \$1.00.

**PERFECTION DRUMHEAD SAVOY CABBAGE.**—A variety that is much prized for its exceptionally fine flavor, more tender and sweeter; with crimped or curly outer leaves. Pkt. 10c; oz. 30c; 4 oz. \$1.00; lb. \$3.00.

## Wong Bok

**CHINESE CABBAGE.**—Wong Bok produces a beautiful, crisp, blanched tall head. As a salad it rivals the finest lettuce. Grow it as a fall vegetable. Does its best in cool, moist weather. Pkt. 10c; oz. 35c; 4 oz. \$1.00.

## BROCCOLI—Winter Cauliflower

Forms a head like a cauliflower, but is much hardier; stands wet and cold better. For fall use sow **WHITE FRENCH** in March or April and set plants early. Plant **ST. VALENTINE** seed in May or June and set plants out in June or July for cutting the following spring.

**WHITE FRENCH.**—A select early strain. Pkt. 10c; oz. 90c; 4 oz. \$3.00.

**ST. VALENTINE.**—Seed from the most perfect heads only. Pkt. 15c; ¼ oz. 40c; oz. \$1.25; 4 oz. \$4.25.

## CUCUMBERS

**ROUTLEDGE HIGHEST QUALITY.**—Early, very productive and disease resistant. Fruit is very uniform in shape, color rich dark green which does not fade. Flesh is white, firm, thick (few seeds) crisp and refreshing. Unsurpassed in quality. Pkt. 10c; oz. 25c; 4 oz. 60c; lb. \$1.75.

**DAVIS' PERFECT.**—The long, even fruits are of fine form, with an intensely dark rich green skin. The solid white flesh is of superb quality for slicing. Pkt. 5c; oz. 15c; 4 oz. 35c; lb. \$1.25.

**ARLINGTON WHITE SPINE.**—Vines vigorous, fruiting early and abundantly. Fruit uniformly straight, light, bright green in color. Fresh, crisp, tender and of excellent quality. Pkt. 10c; oz. 15c; 4 oz. 35c; lb. \$1.25.

**IMPROVED LONG GREEN.**—Fruit is from 10 to 12 inches long, dark-green, crisp and tender. Fine for slicing. Pkt. 10c; oz. 15c; 4 oz. 40c; lb. \$1.25.

**GHERKIN, PICKLING.**—A very small, oval, prickly variety, quite distinct from all others. Pkt. 10c; oz. 25c; ¼ lb. 75c.

**BOSTON, PICKLING.**—Very popular for pickles; color bright green, a great producer and of excellent quality. Pkt. 10c; oz. 15c; 4 oz. 35c; lb. \$1.00.

**LEMON CUCUMBER.**—Highly recommended by all who have tried it for slicing and salads. Resembles a lemon both in size, form and color. Pkt. 10c; oz. 25c; 4 oz. 60c.

Use All-in-One Dust for Cucumber Bugs

## CARROTS

**ROUTLEDGE CORELESS.**—The finest early table variety grown. You will be delighted with the melting tenderness and sweet, mild flavor of Routledge Coreless, 5 to 6 inches long, very uniform in shape. Color, orange scarlet; unsurpassed quality. Pkt. 10c; oz. 25c; 4 oz. 60c; lb. \$1.50.

**EARLY SCARLET HORN.**—A very fine extra early table carrot, roots about 3 inches long, deep, rich orange. Tender and sweet. Pkt. 10c; oz. 20c; 4 oz. 45c; lb. \$1.00.

**CHANTENAY or MODEL.**—The Market Gardener's Favorite. Uniform, smooth tapering roots, deep orange-red; flesh very crisp and tender; medium early; a heavy cropper; 6 to 7 inches long. Pkt. 10c; oz. 15c; 4 oz. 35c; lb. 85c.

**DANVER'S HALF LONG.**—Big cropper, medium large, deep orange. A profitable variety to grow for table or stock feeding. Pkt. 10c; oz. 15c; 4 oz. 25c; lb. 75c.

**LONG ORANGE IMPROVED.**—Long, smooth, tapering roots, requiring a deep soil. Excellent stock carrot. Pkt. 10c; oz. 15c; 4 oz. 25c; lb. 75c.

**GERANDE or OXHEART.**—Bright orange, broad and thick. Length about 4 to 5 inches; excellent for shallow soils. Pkt. 10c; oz. 15c; 4 oz. 25c; lb. 75c.

**ROUTLEDGE MAMMOTH STOCK CARROT.**—The heaviest cropping carrot grown, yielding more tons to the acre than any other sort. The flesh is yellowish-white, crisp, solid, and very nutritious. Roots are short and very heavy at the shoulder, rendering them easily harvested. Too much can scarcely be said of their size and great productiveness. Large pkt. 10c; oz. 20c; 4 oz. 40c; lb. \$1.00.

Highest  
Quality

## CELERY

Celery Plant,  
Page 10

**WHITE PLUME.**—A handsome, crisp sort, that bleaches very easily. Early, brittle, delicious and fine flavored. Pkt. 10c; oz. 25c; 4 oz. 75c.

**GOLDEN SELF-BLANCHING.**—Without doubt the most popular celery grown. It is a self-blanching sort, even the outer ribs assume a beautiful golden-yellow, while the heart or vine stalks are deliciously tender, brittle and sweet. Select quality. Pkt. 10c; ¼ oz. 30c; oz. 80c; 4 oz. \$3.00.

**GOLDEN PLUME.**—Medium early. Heavy stalks with full, solid heart of golden yellow, easy to blanch, a good keeper, and always of the crisp, brittle and nutty quality so much desired. Pkt. 10c; ¼ oz. 50c; oz. \$1.25; 4 oz. \$3.50.

**GIANT PASCAL.**—Excellent for fall or winter use. A large, tall grower of the finest nut flavor. Very broad stalks, blanching very quickly. Pkt. 10c; oz. 30c; 4 oz. 75c.

## CELERICAC

**TURNIP ROOTED CELERY.**—The roots, which are the edible portion, keep well for winter use and are excellent for soups and stews.

**LARGE ERFURT.**—An improved form; nearly round. Pkt. 10c; oz. 25c; 4 oz. 75c.

## SWEET CORN

PRICES.—(All Varieties below.)—Pkt. 10c; ¼

lb. 20c; lb. 30c; 5 lbs. \$1.25, postpaid.

**ROUTLEDGE SELECTED GOLDEN BANTAM.**—The most popular yellow sweet corn today. Our selected strain is northern grown, matures early and quality is unsurpassed. Ears 8 to 10 rowed, 6 to 7 inch long. The ideal table size.

**GOLDEN EARLY MARKET.**—Valuable on account of its extreme earliness—about 2 weeks earlier than Golden Bantam. The ears are of good size and excellent quality.

**ROUTLEDGE SUPERB.**—The earliest white corn, 2 weeks earlier than Golden Bantam. Ears large, 12 to 14 rows of plump, white, sweet grains of excellent quality.

**GOLDEN GIANT.**—Excellent variety to follow Golden Bantam, about 10 days later. Ears 7 to 10 inches with 12 to 14 rows of sweet delicious golden yellow corn.

**GOLDEN WEST.**—A western strain of Golden Bantam, yielding large ears; excellent quality and early.

**EARLY EVERGREEN.**—This fine variety is 10 to 12 days earlier than Stowell's Evergreen and yield large, handsome 10 to 12-rowed ears.

**STOWELL'S EVERGREEN.**—Remains longer in green state than other. Large ears, deep grains, remarkably sweet, but seldom matures locally.

## FIELD CORN

You can grow it successfully if you buy our Western acclimated seed. Write for low 50 and 100-lb. prices.

**ROUTLEDGE'S PRIDE OF THE WEST.**—An early maturing strain of yellow dent. Large ears, deep kernels, small cobs. "Best for the West." Pkt. 10c; lb. 20c; 10 lbs. \$1.50, postpaid.

**MINNESOTA NO. 13.**—Well known popular yellow dent variety that will give you a profitable crop. Lb. 15c; 10 lbs. \$1.25, postpaid.

USE "MARVEL".—So many of our customers tell us of the wonderful results, the increased yield and quick growth obtained by using our Odorless "Marvel" Fertilizer that we again call YOUR attention to it. Remember you can get it by parcel post. See page 11.



## EGGPLANT

**BLACK BEAUTY.**—The earliest and best variety for Oregon. Pkt. 10c; ½ oz. 40c; oz. 75c; 4 oz. \$2.25.

## ENDIVE

An appetizing salad for fall use.

**GREEN AND WHITE CURLED.**—Pkt. 10c; oz. 15c; 4 oz. 40c.

## GARLIC

Separate the sets and plant them in drills 4 to 6 inches apart. 8 oz. 30c; lb. 50c, postpaid.

## KALE or BORECOLE

Produce long plume-like leaves with finely cut edges. Very popular for greens. Your choice. Pkt. 5c; oz. 15c; 4 oz. 35c; lb. \$1.35.

**DWARF GREEN CURLED.**—1½ ft. plume-like leaves with edges finely cut, tender and of fine flavor.

**TALL GREEN CURLED.**—About 2 feet high.

**EMERALD ISLE.**—Of medium height.

**COW KALE or THOUSAND-HEADED.**—Pkt. 5c; oz. 10c; 4 oz. 20c; lb. 40c.

## KOHL—RABI

A delicious vegetable, grow like turnips; 6 inches apart, use young. Sow the seed thinly in drills and thin out.

**EARLY WHITE VIENNA.**—Extremely early. medium size bulbs, excellent quality. Pkt. 10c; oz. 25c; 4 oz. 75c.

## LEEK

A species of onion which does not form a bulb. Mild and delicious.

**AMERICAN FLAG.**—Mild and sweet; large stems. Hardy and of the finest quality. Pkt. 10c; oz. 25c; 4 oz. 75c.

## LETTUCE

**NOTE.**—Two-year-old seed heads better than 1 year.

**R. R.'S WONDERFUL.**—Our grower has given this stock special attention and it is a wonderful strain. It produces immense heads of closely folded ruffled leaves. The heart blanches beautifully and is crisp, tender and delicious. A robust variety, rooting deeply and thus able to resist hot dry weather; a sure header and slow to seed. The outer color is of a distinct apple-green. A rapid grower and unsurpassed as a home or market lettuce. When you transplant, set plants 18 inches apart in the rows. Two-year seed: Pkt. 15c; ½ oz. 20c; oz. 35c; 4 oz. \$1.00; lb. \$3.50.

**NEW YORK IMPROVED.**—Improved round head. A large, crisp, curly-leaved, close-heading lettuce of the finest quality. Great favorite in all markets. Carloads of this variety are shipped by market growers and it brings the highest prices. Pkt. 10c; oz. 25c; 4 oz. 75c; lb. \$2.25. Two-year seed: Oz. 35c; 4 oz. 90c; lb. \$3.00.

**R. R.'S TENDER CRISP.**—A curly, crisp, tender head lettuce, of finest quality. Will do better in mid-summer heat than most kinds. The heart blanches to a beautiful silvery white; tender, mild and unsurpassed. Pkt. 10c; oz. 25c; 4 oz. 75c; lb. \$2.25.

**GRAND RAPIDS.**—The best loose, curly leaf lettuce for greenhouse or open garden. Pkt. 10c; oz. 15c; 4 oz. 35c; lb. \$1.25.

## SNAROL

The guaranteed slug and snail and pest destroyer. No use of having your garden plants ruined. Use Snarol. Page 26.

## LETTUCE (Continued)

**HANSON.**—Large, solid-heading variety, bright green curly leaves and white, crisp heart of excellent flavor. Pkt. 10c; oz. 20c; 4 oz. 50c; lb. \$1.50.

**EARLY PRIZE HEAD.**—Grows easily and quickly, seldom heads but produces a lot of finely curled leaves; tender, crisp and sweet. Leaves edged brownish red. Pkt. 5c; oz. 15c; 4 oz. 35c; lb. \$1.25.

**BIG BOSTON.**—Good for early spring and late fall as it stands cold, wet weather. Heads large with a solid, golden heart of unsurpassed quality. Pkt. 10c; oz. 20c; 4 oz. 50c; lb. \$1.50.

**SIMPSON'S EARLY CURLED.**—A popular loose-leaved, clustering variety. Crisp, sweet and tender. Pkt. 5c; oz. 15c; 4 oz. 35c; lb. \$1.25.

## CHICKEN LETTUCE

A rough, tall, loose plant for feed only. Grows 4 feet high and supplies abundant green feed. Fine tonic for laying hens. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.35.

## MUSTARD

Pkt. 5c; oz. 15c; 4 oz. 25c; lb. 75c.

**SOUTHERN GIANT CURLED.**—Large variety, with fine curled leaves.

**WHITE ENGLISH.**—Seed yellow and pungent, for flavoring.

## MUSHROOM SPAWN

**LAMBERT'S PURE CULTURE SPAWN**

**DIRECT SPAWN.**—Latest and best. Mammoth White, Cream White or Bohemian Brown. Price, per brick, not prepaid, 35c; 10 bricks, \$3.00; add postage at rate of 1½ lbs. per brick. Free copy "Mushroom Culture" with every order.

## MELONS

### MUSKMELON

**PRICES.**—Your choice of following kinds: Pkt.

10c; oz. 15c; 4 oz. 35c; lb. \$1.25.

**POLLOCK 10-25.**—One of the finest varieties, nicely netted, small seed cavity and thick, luscious flesh of salmon tint.

**NETTED ROCK or ROCKY FORD.**—An old favorite. Flesh very thick; light green, very sweet and delicious and of superb flavor.

**EXTRA EARLY HACKENSACK.**—Excellent large size home variety. Flesh light green; thick, sweet and superb flavor. Early.

**HOODOO.**—A delicious melon of convenient size for table use. Skin thickly netted, flesh rich, deep orange, meaty, fine grained and sweet.

**DELICIOUS GOLD LINED.**—The most delicious melon in our list. Good size, well netted. Flesh light green with golden tint. Sweet and juicy.

**BURRELL'S GEM.**—A popular local variety. Flesh light green with golden tint. Sweet and delicious.

**GOLDEN BEAUTY CASSABA** (Fall and winter melon).—Skin wrinkled, flesh thick, excellent flavor. Keep cool until ripe.

**HONEY DEW.**—A large melon 6 to 7 inches thick. Skin light creamy yellow. Flesh very thick, sweet and juicy and delicious flavor.

## WATERMELONS

**ROUTLEDGE OREGON PRIZE.**—Extra early. flesh deep scarlet and unsurpassed. Best variety. Pkt. 10c; oz. 25c; 4 oz. 60c; lb. \$2.00.

**BLACK SEEDED ICE CREAM.**—Popular local melon. Light skin, pink flesh, sweet and fine flavor. Pkt. 10c; oz. 20c; 4 oz. 50c; lb. \$1.75.

**KLECKLEY'S SWEET.**—Medium early, large, oblong, skin dark glossy green. Flesh bright scarlet; crisp and sweet. Pkt. 5c; oz. 15c; 4 oz. 30c; lb. 90c.

**CITRON** (Red Seeded).—Used for preserves. Pkt. 10c; oz. 25c.



## ONIONS

### Onion Plants in Season

**OREGON YELLOW DANVERS.**—The bulbs are full three-quarters globe shape with small necks. It matures quite early, is the largest in size, most perfect in shape, the heaviest cropper and one of the best keepers, and as a market or table onion cannot be excelled. Pkt. 10c; oz. 20c; 4 oz. 60c; lb. \$2.00.

**RIVERSIDE SWEET SPANISH.**—Very popular, the flesh mild, pure white and sweet. An ideal globe-shaped large onion with a light yellow skin. Pkt. 10c; oz. 30c; 4 oz. \$1.00; lb. \$3.50.

**LARGE RED WETHERSFIELD.**—The standard variety of the red onions. Of large size and rather flat. Pkt. 10c; oz. 20c; 4 oz. 60; lb. \$2.00.

**PRIZE TAKER.**—A great favorite. Globe-shaped, straw-colored skin; always ripen up hard. An excellent keeper, mild flavor. Pkt. 10c; oz. 20c; 4 oz. 60c; lb. \$2.35.

**AUSTRALIAN BROWN.**—Extra early, sure cropping variety, with extra long keeping qualities. Pkt. 5c; oz. 15c; 4 oz. 40c; lb. \$1.50.

**SOUTHPORT WHITE GLOBE.**—An enormous yielder and superb keeper; perfect globe-shaped, very large, clear white skin. Planted extensively for both dry use and green onions. Mild and sweet. Pkt. 10c; oz. 25c; 4 oz. 75c; lb. \$2.50.

**WHITE PORTUGAL OR SILVERSKIN.**—A good, hardy, medium early, half-globe shaped, a fine cropper; very firm and an excellent keeper. Excellent for bunching green. Pkt. 10c; oz. 20c; 4 oz. 60c; lb. \$2.00.

### ONION SETS

**BOTTOM ONION SETS.**—Small onions are grown from seed Per lb. 25c; 5 lbs. \$1.00, postpaid. Write for quantity prices.

**TOP SETS.**—Lb. 40c; not postpaid, 30c.

**SHALLOTS.**—Each bulb makes from 3 to 5 green onions. Per lb. 35c, postpaid.

### ONION PLANTS

**ONION PLANTS.**—Riverside Sweet Spanish and Bermuda White—Plants in season @ 35c per 100; \$2.75 per M, postpaid. Set them out six inches apart and grow large, early onions quickly.

### OKRA

**IMPROVED DWARF GREENS.**—Very productive; long, slender green pods. Pkt. 10c; oz. 20c; 4 oz. 35c; lb. \$1.00.

## GARDEN PEAS

"Highest Quality"—Hand Picked

**PEA PRICES.**—Unless otherwise priced, large

pkt. 10c; ½ lb. 20c; lb. 30c; 5 to 10 lbs. @25c;  
25 lbs. @ 20c, postpaid.

**ALASKA.**—An extra early, hardy pea, of good quality. Height 2½ feet.

**LITTLE MARVEL.**—Popular variety, very early. Vines 15 inches high; pods dark green, medium size, closely filled with peas of extra fine flavor. Better than American Wonder.

**LAXTONIAN or BLUE BANTAM.**—Unsurpassed among the "first early" large podded peas, of superb quality. The dwarf, sturdy vines average 16 inches; pods 4½ inches long and are tightly packed with large, deep green peas of most delicious flavor and quality.

**LAXTON'S PROGRESS.**—A new giant podded dwarf variety, very productive and extra early.

**GRADUS.**—Extra early. This popular large-podded, wrinkled pea of finest quality matures pods only two or three days later than the small-podded extra earlies. Vines four feet high.

**DWARF TELEPHONE.**—A splendid mid-season variety growing about 2 feet tall, vines very sturdy and bear a good crop.



Duke's Delight

A dwarf, extra early, delicious pea of great merit. Each year increases its popularity.

Our regular customers are now demanding it in preference to all the other early dwarf old standard sorts.

**Duke's Delight** easily outclasses the old popular kinds in productiveness, size and fullness of pods, and the delicious flavor and quality of the green peas. Sturdy, stocky, healthy vines about 15 inches high. Large pkt. 15c; ½ lb. 20c; lb. 35c; 10 lbs. \$3.00; 25 lbs. \$6.25, postpaid; 50 to 100 lbs., write.

Get the true Duke's Delight by ordering direct from us. Take no substitute.

### Routledge Prize

A sweet, wrinkled mammoth podded pea of extra value. A strong, sturdy, healthy grower. Vines and pods are a rich green. The vines are enormously productive, being completely covered with immense long pods, well filled with from 8 to 11 large peas of the richest flavor. An abundant cropper and superior to all other tall sorts. Nothing in the line of peas excels the Routledge Prize in richness, sweetness and flavor. Large pkt. 15c; ½ lb. 20c; lb. 35c; 10 lbs. \$3.00; 25 lbs. \$6.25, postpaid. Low 100-lb. price, write.

**IMPROVED STRAAGEM.**—A very productive, vigorous, semi-dwarf variety with large, dark-green pods, always well filled. In quantity it is unsurpassed.

**TELEPHONE.**—A popular sort for main crop. Vines tall and bearing profusely long, handsome pods full of large, tender, sweet peas of superb flavor.

**ALDERMAN.**—Large, dark green pods, filled with big, sweet flavored peas. Vines tall and vigorous.

**MAMMOTH MELTING SUGAR (Edible Pods).**  
—Pkt. 10c; ½ lb. 25c; lb. 45c.

BE SURE YOU READ ABOUT INOCULATING PEA SEED WITH NITROGEN. IT INCREASES THE YIELD AND IMPROVES THE SOIL. (SEE PAGE 9.)

## PARSLEY

**CHAMPION MOSS CURLED.**—A very select English strain having dark green moss-like curly leaves. Pkt. 10c; oz. 20c; 4 oz. 40c.

**HAMBURG or TURNIP ROOTED.**—Grown for the edible roots. Pkt. 10c; oz. 20.

## PARSNIP

**HOLLOW CROWN.**—Most popular variety, with long, tapering roots, very smooth and of the finest quality. Pkt. 10c; oz. 15c; 4 oz. 35c; lb. \$1.00.

## PUMPKIN

**PRICES.**—Your choice: Pkt. 10c; oz. 15c; 4 oz.

20c; lb. \$1.00.

**SMALL SUGAR.**—The New England pie pumpkin. Small, bright orange color. Flesh deep yellow, fine quality. Matures early.

**KING OF MAMMOTHS.**—The largest of all; grow this variety to win the prizes at the fair.

**CONNECTICUT FIELD.**—Popular for field culture and excellent for stock. Large, orange-yellow.

**LARGE SWEET CHEESE.**—A very large variety; fruit flattened, yellow when ripe, flesh yellow, very thick and of excellent quality. A heavy yielding variety.

**WINTER LUXURY.**—Golden orange color with heavy netting. Rich, thick, golden flesh; sweet and tender. Excellent for pies. Pkt. 10c; oz. 20c; 4 oz. 40c; lb. \$1.25.

## POTATOES

**PRICES.**—Small Lots.—5 lbs. 35c; 10 lbs. 60c;

postage extra.

Let us supply you with some pure high quality stock. Write stating amount wanted.

**EARLIEST OF ALL.**—The earliest white variety. Quality O. K.

**BLISS TRIUMPH.**—Extremely early and very productive. Pink skin. Excellent quality.

**EARLY ROSE.**—Old popular sort.

**IMPROVED BURBANK.**—Fine quality; late.

**NETTED GEM.**—Popular late variety. Write for prices, stating amount wanted.

## RADISH

**PRICES.**—All varieties except Nerima: Pkt. 10c; oz. 15c; 4 oz. 35c; lb. 90c.

**EARLY SCARLET TURNIP.**—Bright scarlet; of quick growth; mild and crisp. Most popular.

**SCARLET TURNIP, WHITE TIPPED.**—Deep scarlet, with white tip. Crisp and delicious.

**FRENCH BREAKFAST.**—Crisp, tender and mild; grows about 2 inches long, stump rooted, tipped white.

**SCARLET GIANT** ("Crimson Giant").—The largest early scarlet, globe-shaped radish. Flesh sparkling white, solid, crisp and mild.

**EARLY SNOWBALL** (Model White Box).—Early, clear white, solid, juicy, crisp, tender.

**WHITE ICICLE.**—Crisp, tender and mild. It is ready for use almost as quickly as the early turnip-shaped sorts.

**LONG SCARLET.**—6 to 7 inches in length; skin scarlet, very thin; the flesh crisp, brittle and of delightful flavor.

## WINTER RADISHES

**NERIMA** (Japanese Long White).—Grows from 12 to 30 inches long and about 2 inches in diameter. Flesh firm, crisp, tender and mild. Pkt. 10c; oz. 20c; 4 oz. 50c; lb. \$1.50.

**ROUND BLACK SPANISH.**—Three or four inches in diameter; flesh white; good keeper.

**CALIFORNIA MAMMOTH WHITE.**—Also called Chinese White Winter. Pure white. The flesh is tender and crisp.

**CHINA ROSE.**—Bright rose color, flesh firm and piquant.

## PEPPER

Plant seed early in the spring; raise same as for tomatoes. Plants in season, see page 10.

**LARGE BELL or BULL NOSE.**—A very prolific variety, producing good-sized, mild, thick fleshed fruit. Pkt. 10c; oz. 60c.

**CHINESE GIANT.**—The largest of all the bull-nosed varieties, sweet and mild. Pkt. 10c; ½ oz. 35c; oz. 60c.

**BURPEE'S SUNNYBROOK.**—The sweetest and most prolific of all Pimento peppers. The flesh is unusually thick and sweet. An ideal sort of stuffing for salads. Pkt. 10c; ½ oz. 35c; oz. 60c.

**PIMENTO (Perfection).**—Fruit bright scarlet, very thick fleshed and very mild and sweet. Pkt. 10c; ½ oz. 30c; oz. 60c.

**RED CHILI.**—A small pointed, bright red variety, pungent and hot. Pkt. 10c; ½ oz. 30c; oz. 60c.

**CAYENNE.**—Medium long, narrow pointed red pods; very hot and strong. Pkt. 10c; ½ oz. 30c; oz. 60c.

## SALSIFY

### VEGETABLE OYSTER

Plant early, same culture as parsnips. Pkt. 10c; oz. 25c; 4 oz. 75c; lb. \$2.50.

## SQUASH

### Summer Varieties

**ITALIAN or ZUCCHINI.**—Favorite Italian squash. A delicious summer sort, should be eaten when young and 4 to 6 inches long. Pkt. 10c; oz. 15c; 4 oz. 40c; lb. \$1.25.

**GOLDEN STRAIGHTNECK and GOLDEN SUMMER CROOKNECK.**—Early and very prolific. Excellent quality. Pkt. 10c; oz. 15c; 4 oz. 35c; lb. \$1.25.

**MAMMOTH WHITE BUSH SCALLOP.**—Large, early, clear, creamy white. Excellent quality fried or stewed. Pkt. 5c; oz. 15c; 4 oz. 30c; lb. 90c.

**GOLDEN CUSTARD BUSH SCALLOP.**—An extra early variety of good size and excellent quality, very prolific. Same prices as above.

### Winter Squash

**IMPROVED BOSTON MARROW.**—A popular variety for canning; large oval fruit; skin reddish-orange; flesh rich orange; of excellent quality. Pkt. 10c; oz. 15c; 4 oz. 35c; lb. \$1.00.

**MAMMOTH CHILI.**—Grows to an enormous size, often weighing over 200 pounds. Flesh thick, and fine quality. Valuable for stock feeding. Pkt. 10c; oz. 15c; 4 oz. 25c; lb. \$1.00.

**DANISH—TABLE QUEEN.**—An ideal table squash, about 7 inches long and 5 inches thick. Color dark green; very productive. Shell hard. Fine grained and finest quality. Pkt. 10c; oz. 20c; 4 oz. 40c; lb. \$1.50.

**ENGLISH VEGETABLE MARROW.**—Creamy white. A favorite English variety. Flesh tender, delicious. Pkt. 10c; oz. 15c; 4 oz. 45c; lb. \$1.25.

**TRUE HUBBARD.**—The best of the winter squashes. Vines vigorous and very productive. Fruit large, heavy, moderately warted with very hard shell; dark bronze green. Flesh bright orange-yellow, fine grained, thick, dry and richly flavored. Our seed is carefully selected. Pkt. 10c; oz. 15c; 4 oz. 40c; lb. \$1.25.

**GOLDEN HUBBARD.**—It is a rich golden color and somewhat warted; a long keeper. Matures early; is vigorous and wonderfully productive. Flavor and quality unsurpassed. Pkt. 10c; oz. 15c; 4 oz. 40c; lb. \$1.25.

**BANANA SQUASH.**—Grows 1½ to 3 feet in length. The skin varies from dark olive-green to slate color outside. Flesh firm, very thick, finest quality and rich orange. Pkt. 10c; oz. 15c; 4 oz. 40c; lb. \$1.25.



## SPINACH

Spinach supplies the most healthful greens we have. Hardy and easy to grow. Plant early and late.

### BIG CROP

New Giant Spinach of Real Merit

**Big Crop** is a quick growing, large-leaved variety, and will produce an immense crop quicker than any other, yet it will stand long before going to seed. Leaves large and upright, almost smooth, and of excellent color and quality. Pkt. 10c; oz. 20c; 4 oz. 40c; lb. 95c.

**KING OF DENMARK.**—Large, round, thick leaves which are a rich, dark green; valuable sort, good quality.

**IMPROVED THICK-LEAVED.**—Grows very rapidly, forming a cluster of large smooth leaves of fine color and quality. Very hardy; popular for spring or late fall.

**PRICKLY WINTER.**—Very desirable; very hardy; bears large, thick, broad pointed leaves. A fine fall and winter variety.

**PRICES.**—Your choice of above, except Big Crop: Pkt. 5c; oz. 15c; 4 oz. 25c; lb. 60c; 10 lbs. any kind, 10c less per lb.

## TOMATO

Use "Semasan" on tomato seed, prevents damping off. See page 11.

**CHALK'S EARLY JEWEL.**—Our most popular large, smooth, fine flavored, extra early bright red tomato. The flesh is thick, solid and of superb quality. A heavy cropper. Pkt. 10c; ½ oz. 25c; oz. 40c; 4 oz. \$1.25.

**ROUTLEDGE SPECIAL.**—The "Best" Extra Bright Scarlet Tomato. —A vigorous, healthy grower, producing ripe fruit extremely early throughout the entire season. Very productive. Fruit large size, almost round. Very smooth and free from cracks. Pkt. 10c; ½ oz. 35c; oz. 65c; 4 oz. \$1.65.

**BURBANK.**—A wonderful variety. One of the earliest, smoothest, solidest, most productive, bright scarlet tomato, with a skin that will peel easily. Pkt. 10c; ½ oz. 30c; oz. 40c; 4 oz. \$1.25.

**BONNY BEST.**—Highly prized by many market gardeners; fruit large, smooth and of a rich scarlet; flesh thick with a small core. Excellent quality. Nearly globe shaped, very uniform and ripens early. Pkt. 10c; oz. 40c; 4 oz. \$1.25.

**MARGLOBE.**—This new tomato is almost the same season as Bonny's Best, but the fruit is larger. It is very resistant to disease and is a very heavy cropper. Pkt. 10c; ¼ oz. 20c; oz. 50c; 4 oz. \$1.50.

**YELLOW PEAR.**—Used for preserves. Sweet and free of acid. Pkt. 10c; oz. 60c; 4 oz. \$1.50.

**GROUND CHERRY or HUSK TOMATO.**—Prized for preserves, pies and sauce. Fruit yellow. Pkt. 10c; oz. 50c.

**SPARK'S EARLIANA.**—Remarkable for its earliness, large size, uniform shape, attractive red color, and productiveness. Pkt. 10c; oz. 40c; 4 oz. \$1.25.

**PONDEROSA.**—Very large and solid, few seeds and of delicious flavor; often called the beef-steak tomato; dark crimson; 10 to 15 days later than the early sorts. Pkt. 10c; ½ oz. 35c; oz. 65c; 4 oz. \$2.00.

**DWARF CHAMPION.**—Often sold as Tree Tomato. Fruit smooth, medium sized, solid and of good flavor. Pkt. 10c; oz. 50c; 4 oz. \$1.50.

## TOBACCO

Culture practically same as cabbage.

**HAVANA or CONNECTICUT SEED LEAF.**—Both good, hardy varieties for general planting here. Pkt. 10c; oz. 75c.

## TURNIPS

**PRICES.**—All prices except "Milan": Pkt. 10c; oz. 15c; 4 oz. 30c; lb. 65c, postpaid.

**WHITE MILAN.**—Excellent table turnip, the earliest of all varieties. Pkt. 10c; oz. 20c; 4 oz. 40c; lb. \$1.00.

**PURPLE TOP MILAN.**—This variety is ready for table as early as White Milan; an equal to it in every way; flesh is white, firm and delicate. Pkt. 10c; oz. 20c; 4 oz. 40c; lb. \$1.00.

**ORANGE JELLY, or GOLDEN BALL.**—Delicate and sweet, yellow flesh, medium in size, firm, crisp and excellent flavor.

**EARLY WHITE FLAT DUTCH.**—It is medium size and produces a large crop; the flesh is firm, but tender, and of a superior rich, buttery flavor.

**WHITE EGG.**—Is perfectly smooth, of a pure clear white; a very choice kind for table use; of excellent flavor and mild.

**PURPLE TOP STRAP LEAVED.**—Flesh firm, but very tender and sweet; of quick growth.

**PURPLE TOP WHITE GYOBE.**—A very heavy cropping, globe-shaped variety, with white skin and sweet, tender flesh, excellent flavor.

**POMERANEAN WHITE GLOBE.**—A large globe-shaped, smooth, white turnip. Good either for stock or table and resists the worms the best.

**COWHORN (Long White).**—Of very rapid growth. Has proved itself one of the best stock turnips ever introduced.

**YELLOW ABERDEEN.**—Round, medium size, light yellow; flesh very firm, but tender and sweet; a great favorite with the dairymen for feeding cows.

## RUTABAGA—SWEDES

**IMPROVED AMERICAN PURPLE TOP.**—Attains a large size; immense yielder; flesh firm, cream yellow, fine grained, sweet and tender. Excellent both for table and stock. Pkt. 10c; oz. 15c; 4 oz. 35c; lb. 75c.

**SWEET RUSSIAN.**—Excellent for stock; large size; flesh white, solid, of a firm texture, sweet and rich, an excellent keeper. Pkt. 10c; oz. 15c; 4 oz. 35c; lb. 75c.

## NITRAGIN

### BENEFITS OF INOCULATION

Inoculated Legumes take nitrogen from the air to supply the plant, resulting in faster growth, earlier maturity and increased crops. Inoculated legumes take up more nitrogen than the plant itself requires, the surplus remaining to the benefit of future crops. Inoculated Legumes develop larger roots systems and therefore reach the immense stores of potash and phosphorous in the sub-soil.

DATED - Fresh Each Year



The Original Legume INOCULATOR

### PRICES

Alfalfa, All Clovers

Size	Retail
¼ bu.....	.40
½ bu.....	.60
1 bu.....	1.00
5 bu.....	4.75

When ordering, always specify kind of seed

Peas, Vetch, Beans

Austrian Winter Peas	
Size	Retail
½ bu.....	.40
1 bu.....	.60
*1 ½ bu.....	.90
3 ½ bu.....	1.80
5 bu.....	2.50
*Also called "100 lb. size."	

Soy Beans and Cow Peas

1 bu.....	.40	5 bu.....	\$1.50
2 bu.....	.70	10 bu.....	2.50

**Garden Nitragin**—Peas, Beans, Sweet Peas. —Enough to inoculate 1 ounce to 8 lbs. Price 25c.

**Important.**—When ordering Nitragin, always be sure to state kind of Legume seed you wish to inoculate.



## HERB SEEDS

(Pot, Sweet and Medicinal)

Herbs in general, delight in rich, mellow soil. Those marked with a (\*) are perennial  
All the following Herbs 10c per Packet, unless otherwise priced.

	Oz.
Anise.—Seeds aromatic; used medicinally.....	.35c
*Balm.—For culinary purposes .....	.50c
*Basil.—Sweet; for flavoring soups.....	.40c
Borage.—For flavoring; also bee pasture.....	.40c
*Caraway.—For flavoring .....	.25c
*Catnip.—Mild nervine; pkt. 15c.....	\$1.00
Coriander.—Used for flavoring .....	.25c
*Dill.—Used medicinally and for pickles.....	.25c
*Fennel.—Flavor of Celery .....	.40c

	Oz.
*Horchound.—Bitter; for tonic .....	.60c
*Hysop .....	.60c
*Lavender.—True, for fragrance .....	.50c
*Marjoram.—Sweet, for flavoring .....	.40c
*Rosemary.—Aromatic oil, pkt. 15c.....	.75c
Summer Savory.—For flavoring .....	.25c
*Sage.—For tea flavoring and dressings.....	.40c
*Thyme (broad leaf).—For soup, pkt. 15c.....	.75c

## VEGETABLE PLANTS

We can supply all of the plants listed below in their proper season, in most any quantity. We can supply all vegetable plants in TWO GRADES—plants "PULLED" direct from the seed beds AND THOSE that have been TRANSPLANTED into shallow boxes. Transplanted plants are much stronger and better rooted, and are well worth the price, especially in the early part of the season. We can supply most any of the leading sorts. Tell us your choice of varieties, and we will send it or give you a good substitute. **NO PLANTS SENT C. O. D.** Write for prices on 5 to 10 thousand lots.

**NOTE.**—Dozen and 100 prices are postpaid; 25c less per hundred if called for. We will send 1,000 lots by express at your expense.

CABBAGE, GARDEN KALE, COW KALE.	Dozen	100	1,000
Early or late, transplanted...\$ .25	\$1.25	\$8.00	
Pulled after June 20.....	.20	.75	4.50
CAULIFLOWER AND BROCCOLI			
PEPPER AND BRUSSEL SPROUTS			
Transplanted.....\$ .35	\$2.00	\$12.00	
Cauliflower and Broccoli			
Pulled after June 20 .....	.25	1.00	6.00
CELERY AND CELERIAC T. R.			
Transplanted .....	\$ .30	\$1.50	\$10.00
Pulled after June 15.....		1.00	7.50
CHIVES.—(Schnittlauch).—Per bunch, postpaid, 25c.			

TOMATOES	Dozen	100	1,000
Leading kinds, our selection			
transplanted only .....	.35	\$2.00	\$10.00
POT GROWN TOMATO PLANTS.			
These large plants give the most profitable results.			
Prices: From 3-in. pots, 15c each, \$1.50 doz.; postage 7c or 50c doz. extra or by express, charges collect.			

SWEET POTATO PLANTS	Dozen	100	1,000
Sweet Potato Plants .....	.50	\$2.00	\$12.00
Send your orders in early, we'll fill in proper season, from May to July 10. Oregon grown.			

## ASPARAGUS ROOTS

**MARY WASHINGTON.**—The plants we offer have been grown from highest quality seed. Shoots or tips large, straight, dark green of excellent quality, with tips that fold closely until well out of the ground. Considered the best by marketmen.

### PRICES:

2-year roots, prepaid, doz., 40c; 50 for 90c; 100 for \$1.50. Not prepaid, doz., 30c; 100 for \$1.25; 1,000, \$8.00.

1-year roots, prepaid, doz., 30c; 50, 60c; 100, \$1.00. Not prepaid, doz., 25c; 100, 80c; 1,000, \$6.00.

3-year roots, prepaid, doz., 60c; 50 for \$1.50; 100 for \$2.50. Not prepaid, doz., 50c; 50 for \$1.25; 100 for \$2.00.

## HORSERADISH ROOTS

Plant in the spring 18 to 24 inches apart. Set the whole root small end down.

**PRICES:** 2 for 15c; 50c per doz.; \$2.00 per 100. Low prices by the 1,000.

## RHUBARB

**RIVERSIDE GIANT.**—Is a quick, very early grower, producing very freely giant, heavy stalks that are exceedingly tender, brittle and of the finest flavor and color. A "peerless" rhubarb for home gardens or for commercial plantings.

We supply strong, healthy, divided roots, the only safe way. Roots from seed do not come true.

**SINGLE EYE.**—Postpaid, each, 15c; doz., \$1.50. Not postpaid, doz., \$1.25; 100, \$7.50.

**DOUBLE EYE.**—Postpaid, each, 25c; doz., \$2.50. Not Postpaid, each, 20c; doz., \$2.00; 100, \$10.00.

**TRANSPLANTS.**—Grown one year from single-eye, large, vigorous, healthy roots, each, 35c; doz., \$3.00, not prepaid. By Mail, 7c each; 50c doz. extra.

## HOP ROOTS

Oregon's Famous English Cluster Hops.

Regular Root Cuttings, 10c each, 3 for 25c; 75c doz.; \$4.00 per 100, postpaid. Low prices by the 1,000.

## CELLO SCREEN GLASS and FLEX-O-GLASS CLOTH

For poultry houses and scratching sheds, hot beds, cold frames, doors or windows, sleeping porches, partitions or enclosures or anywhere in place of glass. It's unbreakable, hail proof rain and wind proof, cold proof, rust proof and very light in weight and flexible. Get the beneficial ultra violet rays.

**SCREEN GLASS** comes in rolls 100 feet long, 36 inches wide. We cut you any length wanted. Price, 14c square foot; \$1.25 square yard.

**FLEX-O-GLASS.**—A processed cloth: gives much the same results as screen glass, and very durable; 100-foot rolls. 36 inches wide. Price, 35c square yard. If wanted by parcel post, add 10c extra for single yard, 5 yards or more 5c per yard extra. Roll \$29.00.

**FERTILIZERS.**—To grow big crops of Asparagus and Rhubarb you must apply early liberal amount of good fertilized. **WE HAVE IT.** See page 11.

# FERTILIZERS

Fertilizer Prices subject to market changes. Write for quantity prices when ready to buy.

## MARVEL "Q. A."

(Q. A. QUICK ACTION)

The best all around fertilizer for the city gardener; clean and odorless. Remember, it's all fertilizer; no filler. Marvel is quick in action, a giant in strength, and the small amount necessary to use makes it the cheapest and most efficient high-grade fertilizer on the market. A spoonful to a plant, a cupful to a rosebush or hill of potatoes. Always mix Marvel thoroughly with the soil and when used as a "top dressing" on lawns it should be sprinkled or wet down at once.

**PRICES.**—2 lb. carton (not postpaid), 25c. P. P. wgt. 2½ lbs. 10 lbs., \$1.00; 25 lb. bag, \$1.75; 100 lb. sack, \$5.50. Full directions with each lot. Write for quantity prices.

**MAIL.**—If wanted by parcel post, add postage.

**NOTE.**—Three sacks H. Q. Sheep and one 25 lb. sack "Marvel" mixed together will make a very rich combination fertilizer, that will prove highly satisfactory for all uses, as it would be very rich in plant food and supply the necessary humus for heavy soils. A wonderful top dressing for lawns and unequalled for general garden use. Special price, \$4.50.

## LOMA

A highly concentrated all fertilizer mixed so that it will feed the plants over a larger period than most fertilizers of similar nature. Prices: 1 lb. 25c; 5 lbs. 60c; 10 lbs. \$1.00; 25 lbs. \$2.00; 50 lbs. \$3.75; 100 lbs. \$6.00. Postage extra. Booklet on request.

## VIGORO

A complete plant food, a produce of Swift & Co., and highly advertised as an all around fertilizer. Prices: 5 lbs. 60c; 25 lbs. \$2.00; 50 lbs. \$3.75; 100 lbs., \$6.00. Add postage if wanted by parcel post

**NITRATE OF SODA.**—Very quick in action, stimulating rapid growth.

Prices: 1 lb. 10c; 3 lbs. 25c; 5 lbs. 30c; 10 lbs. 50c; 100 lbs. \$3.50.

**SUPERPHOSPHATE.**—Used for the available phosphoric acid. Prices: 5 lbs. 25c; 10 lbs. \$1.00.

**LAND PLASTER.**—(Gypsum.)—An indirect fertilizer as it releases plant food and changes soil conditions. Prices: 10 lbs. 25c; 100 lbs. \$1.00.

**SULPHATE OF AMMONIA.**—Strong in nitrogen. Will stimulate growth almost immediately. Kills moss. Prices: 5 lbs. 30c; 10 lbs. 50c; 100 lbs. \$3.50.

## SEMESAN

### THE PREMIER SEED DISINFECTANTS

Controls Seed Diseases, Stimulates Germination, Produce Sturdier Plants, Increases Crop Yields, Improves Quality, Makes Money for Growers.

**SEMESAN.**—For Vegetable and Flower Seeds. Roots, Bulbs, Grafts and Soils. Very effective in preventing "damping off" of young plants. Prices: 2 oz. 50c; 1 lb. \$2.75; 5 lbs. \$13.00.

**CERESAN.**—For Grain Seeds.—Has proven effective in controlling smuts. Only 2 oz. dust a bushel of wheat and 3 oz. for barley and oats. Prices: 8 oz. 50c; 1 lb. 75c; 5 lbs. \$3.00; 25 lbs. \$12.50.

**SEMESAN JR.**—For Seed Corn.—It makes possible earlier planting. Improved germination, increased yields, at a cost of less than 3c an acre. Prices: 4 oz. 50c; 1 lb. \$1.75; 5 lbs. \$8.00; 25 lbs. \$31.25.

**SEMESAN BEL.**—For Potatoes.—Either whole or cut seed pieces. Effectively controls scab, rhizoctonia and black-leg, thereby increasing the production. One pound treats 16 to 20 bushels of seed. Prices: 4 oz. 50c; 1 lb. \$1.75; 5 lbs. \$8.00; 25 lbs. \$31.25.

SEMESAN LEAFLETS COVERING THE DIFFERENT CROPS GLADLY SENT ON REQUEST. FREE.

## "H. Q." BRAND SHEEP MANURE

"H. Q." ("HIGHEST QUALITY") BRAND SHEEP MANURE is prepared from genuine sheep manure. IT IS FREE FROM SAND, DIRT AND WEEDS. It is uniformly ground. Light in weight, but rich in plant food.

It stays "on the job" and assures a quick, healthy growth and a profitable crop.

"H. Q." Brand is the HIGHEST QUALITY Sheep Manure on the market, and worth much more than most stocks sold. We have it packed in "paper-lined" (2 bushel, 66 lbs), printed burlap bags. Perfectly dry and clean to handle. No rotted sacks.

Prices: Per sack, \$1.25; 3 sacks, \$3.50; 5 sacks, \$5.50; 10 sacks, \$10.50; 15 sacks or more, \$1.00 per sack. Small lots—2 lbs., 15c; 5 lbs., 25c; 10 lbs., 40c. Postage extra if wanted by mail.

## SHEEP MANURE—Standard

If you want the common or ordinary grade from Eastern Oregon we can supply it in competition with anyone, but we do not recommend a low grade. Last year we sold 5,000 sacks of our H. Q. Brand against 40 of Standard. Price: \$1.00 per sack, 3 sacks \$2.50.) Low ton price on request.

**BONE MEAL FERTILIZER.**—Slow in action and should be applied in the fall or very early spring. Use 1,000 to 2,000 lbs. per acre. Prices: 5 lbs. 30c; 10 lbs. 50c; 100 lbs. \$3.00.

**HYDRATED LIME.**—Fine and light. Quick in action, rich in calcium. An indirect soil improver and conditioner. Excellent for moss in lawns and general garden and farm lands. Sweetens the soil and releases plant food. Prices: 5 lbs. 20c; 10 lbs. 25c; 50 lbs. \$1.00; 100 lbs. \$1.75.

**SULPHATE OF POTASH.**—Very rich in potash. For root and grain crops. Prices: 5 lbs. 30c; 10 lbs. 50c; 100 lbs. \$4.00.

**MURIATE OF POTASH.**—This fertilizer is especially valuable to fruit trees and berries. Price: 100 lbs. \$3.00; 5 lbs. 30c; 10 lbs. 50c.

## GROUND PEAT

Imported—Granulated—A Soil Conditioner Not a Fertilizer

Granulated Peat Moss or Mull is a brown colored virgin soil, formed years ago by the growth and decay of mosses, aquatic plants, decomposed vegetable matter taken from the bottom of drained fresh water lakes. It is dried and packed under pressure into burlap wrapped bales about 3½ feet long and 2 feet square, weighing about 175 pounds. It being shipped to America from Germany and Holland in car lots, yes, even boat load lots. It's a product nurserymen, horticulturists, florists and gardeners have wanted for years. It is a moisture retaining humus; an important aid in saving soil fertility. Adds humus to the soil, making the ground more pliable and improves the general texture and condition. Conserves moisture in light, sandy soil; contributes effective drainage and lightens heavy soil.

Used in landscape work, on and over lawns, vegetable gardens, flower beds and in potting soil, as a mulch over seeds or plants. It is really a wonderful factor in many ways.

Prices: Fine ground for garden and lawn. Original Bale, \$3.00; 2 bu. sacks, 75c. Small lots 3 to 5 lbs. at 8c lb.; 10 to 12 lbs. at 6c lb.





Our flower seeds are grown by specialists and are unsurpassed. The following list contains a general assortment of the choicest and most popular and easiest grown flowers for conservatory, greenhouse or garden culture.

## How to Raise Flowers Successfully from Seeds

The above is the title of a two-page leaflet we have issued for our customers. It tells **HOW**, **WHEN** and **WHERE** to plant. It is free to all. You will find it of great value.

### AGERATUM

Half-hardy annuals, especially adapted for borders or fillers, and to edge large beds; flowering continuous all summer.

**AGERATUM MEXICANUM.**—(15 inches). Blue, White or Mixed. Pkt. 10c; plants 50c doz.

**DWARF LITTLE BLUE STAR.**—New; dwarf; about 5 inches high, and is just covered with small, bright blue flowers. Pkt. 15c; plants 3 for 25c.

### ALYSSUM

Pretty little plants for beds, vases, baskets, edgings or rockwork, blooming profusely all summer. Very sweetly scented.

**SWEET ALYSSUM.**—Pure white; 6 inches; June to November. Pkt. 10c; oz. 50c.

**LITTLE GEM.**—The dwarfest and best for design bedding; grow only 3 to 4 inches high. Pkt. 10c; ¼ oz. 35c; Plants 50c doz.

**LILAC QUEEN.**—Dwarf, compact, lilac flowers. Pkt. 10c; ¼ oz. 35c.

**PROCUMBENS (Carpet of Snow).**—Plants very spreading and only about 2 inches tall. Blooms hide all foliage. Pkt. 15; ¼ oz. 35c.

**SEXATILE COMPACTUM (Gold Dust).**—Hardy perennial; yellow flowers; April to June; height 9 to 12 inches. Pkt. 10c; ¼ oz. 40c; Plants 20c ea.

### ANTIRRHINUM

(Snapdragon)

Very desirable for garden color in beds, as well as for cutting. Bloom from July to frost. Half-hardy perennials.

**MAXIMUM.**—This wonderful new group surpasses any yet introduced. Flowers of magnificent size, on tall, graceful spikes, 3½ feet. Your Choice, 10c pkt; 6 for 50c; ¼ oz. 75c.

**COPPER KING.**—Velvety scarlet, shaded copper.

**DIAMOND.**—Golden yellow, lilac throat.

**OLD GOLD.**—A rich deep golden color.

**SILVER QUEEN.**—Beautiful rosy pink.

**SNOWFLAKE.**—Pure white, yellow tube.

**WALLFLOWER.**—Brownish orange, copper red.

**MAXIMUM MIXED.**—A lovely mixture. Plants in May. Separate colors 75c doz. Mixed 50c doz.

**NANUM GRANDIFLORUM.**—Large flowers, medium height; select colors. **Queen of the North.**—White. **Defiance.**—Orange scarlet. **Firebrand.**—Scarlet. **Daphne.**—Pink. **Golden Queen.**—Rich pure yellow. Each Pkt. 10c; all 5 for 40c.

**TALL GIANT, FINEST MIXED.**—Our seed of this is exceptionally fine; height 3 to 4 ft. Pkt. 10c; ½ oz. 35c.

**DWARF MIXED.**—Fine for bedding; 24 inches. Pkt. 10c; ½ oz. 35c.

### ASTERS

Hardy annuals, the easiest and most satisfactory summer and fall flowers to grow. We take the utmost pains to select seeds from the most perfect flowers only, and wish to assure our patrons that our strains are the superiority of perfection.

**IMPROVED GIANT CREGO.**—Free-flowering and one of the best for general planting; a strong, healthy grower, and will produce 12 to 15 long-stemmed large flowers of the most graceful and pleasing style. **Pure White, Shell Pink, Rose Pink, Purple, Crimson, Lavender or Mixed.** Pkt. 10c; 6 for 50c; ¼ oz. 30c; Plants 50c doz.

**CALIFORNIA GIANTS.**—A new variety of real merit. Flowers of immense size and beauty, on long, sturdy stems, non-lateral type. **White, Peach Blossom, Light Blue, Deep Rose, Dark Purple or Finest Mixed.** ¼ oz. 50c; Pkt. 10c; 6 for 50c; Plants 50c doz. prepaid.

**AMERICAN BRANCHING.**—Unsurpassed late variety plants, strong and branching, 2 to 2½ feet high, bearing on long, strong stems their handsome large full flowers. **Finest Mixed.** Pkt. 10c; ¼ oz. 40c.

**HEART OF FRANCE.**—Opens red as the ruby, and retains its remarkable beauty to the very end. Flowers large and full. Plants of branching type and robust. Pkt. 10c; ¼ oz. 50c.

**QUEEN OF THE MARKET.**—Free flowering, medium size, earliest variety. **Finest Mixed.** Pkt. 5c; ¼ oz. 40c.

**ASTERS, FINE MIXED.**—A mixture of choice kinds for all season blooms. Pkt. 10c; 3 for 25c; ¼ oz. 40c.

**SINGLE ELEGANS.**—A hardy variety produces freely, beautiful single flowers on long slender stems. **Elegans Single Mixed.** Pkt. 10c; ½ oz. 25c.

**SUNSHINE—Anemone Flowered.**—Very attractive. The lovely 3 to 4-inch single flowers have twisted and quilled petals; with a beautiful cushion center is of contrasting colors. Long stems, excellent for cutting (2½ feet). **Blue, Lilac, Pink or White.** ¼ oz. 50c; Pkt. 10c. **Sunshine Mixed, all colors.** ¼ oz. 40c; Pkt. 10c. Plants 50c doz.

### ASTERS, HARDY PERENNIAL

(Michaelmas Daisies)

One of the showiest of our late-flowering perennials, giving a wealth of bloom during September and October. 3 to 4 feet. Excellent for cutting. **Choice Mixed.** Pkt. 10c. Plants, **White, Blue, Lilac or Rose,** 20c each, 4 for 65c.

### Up-to-Date Garden Book

If you are interested ask for our Garden Book Catalog, full descriptions, Flowers, Bulbs, Vegetables, Goldfish and Water Gardens, etc.—Free.

**FLOWERING PLANTS.**—Hardy annuals will be ready from March to June. Perennials from October to June. All plants postpaid and sent in season.



## ANEMONE

(Windflower)

**ST. BRIGID.**—Single, double and semi-double flowers in a wonderful array of colors. Perennial, 1 foot. Pkt. 15c.

## AUBRIETA

(Rainbow Rock Cress)

A beautiful dwarf rock plant covered with sheets of bright flowers in spring and summer. Pkt. 15; 2 for 25c.

## AQUILEGIA

(Columbine)

Hardy perennials. Invaluable for cutting; beautiful and graceful; June to September. 2 to 3 feet.

**LONG SPURRED.**—Superb mixture of all the most desirable shades. Mixed Pkt. 15c; ½ oz. \$1.00; Plants 20c; 3 colors 50c.

**COERULEA.**—Violet blue and white. (Rocky Mountain Columbine.) Pkt. 10c; Plants 3 for 50c.

## ARABIS

**ALPINA.**—Hardy perennial; pure white flowers for edging, rockwork, etc.; 6 inches; April to June. Pkt. 10c; ½ oz. 50c.

**AFRICAN DAISY, SEE DIMORPHOTHEA**

**BACHELOR BUTTON—See Centaurea.**

## BALSAM

(Lady Slipper)

Hardy annual, succeeding best in sunny situation, rich loam and moisture; very showy and of easy culture; 1½ feet; July to September. Prize Mixture. Pkt. 10c; ½ oz. 25c.

**BABY BREATH—See Gypsophila.**

## BALLOON VINE

A rapidly growing annual climber; succeeds best in light soil and warm situations; 8 to 10 feet. Pkt. 10c; ¼ oz. 25c.

## BELLIS

(Double English Daisy)

Popular spring and summer flowering perennial; fine for borders; height 4 inches. April to September. Double Mixed. Pkt. 10c; ½ oz. 50c.

**DOUBLE GIANT MIXED.**—Mammoth in size; very rare. Pkt. 20c; Plants 20c.

## BEAN

**SCARLET RUNNER.**—Rapid-growing, bright red flowers; height 8 feet. Large Pkt. 10c; oz. 15c.

**CASTOR BEAN—See Ricinus.**

## CALLIOPSIS

Showy and beautiful free-flowering annuals, of the easiest culture, doing well in any sunny position, blooming all summer if cut often.

**ROUTLEDGE PRIZE MIXTURE.**—Showy new shades in all varieties. Pkt. 10c; ¼ oz. 50c.

## CALENDULA

(Pot Marigold)

Well known hardy annual; one of the most desirable; flowers the entire season; 12 to 18 inches. Excellent for cutting.

**DOUBLE, FINEST MIXED.**—Pkt. 10c; ¼ oz. 20c.

**LEMON QUEEN.**—A select strain, large double flowers, sunflower yellow. Pkt. 10c; ¼ oz. 20c.

**ORANGE KING.**—Grandiflora.—An excellent strain, large double flowers, rich dark orange. Pkt. 10c; ¼ oz. 25c.

## CANARY BIRD VINE

A rapid-growing summer-climbing annual; 10 to 15 feet. Produces bright yellow flowers. Pkt. 10c; ¼ oz. 35c.

## CANTERBURY BELLS

(Camapanula Medium)

Very ornamental garden plants of easiest culture; excellent for cutting; hardy perennial; 2½ feet.

**MEDIUM** Single White, Blue, Rose, or Mixed. Pkt. 10c; 3 for 25c; ½ oz. 45c.

**CALYCANTHEMA** (Cup and Saucer Canterbury Bells).—Beautiful and popular variety. Pink, Lilac, Blue, White or Mixed Colors. Pkt. 10c, 3 for 25c; Plants 20c, 3 for 50c.

**R. R.'S PRIZE MIXTURE.**—A mixture which contains every color and kind of both single and double biennial and perennials. Pkt. 10c; ½ oz. 40c.

## CANNA

A beautiful, large-leaved, showy flowering plant. Seed must be soaked before planting and started in a hot-bed under glass. (For Canna Roots, see page 22.)

**CROZY'S HYBRIDS, MIXED.**—Pkt. 10c. oz. 50c.

## CANDYTUFT

(Iberis)

Very popular free-flowering annual, fine for beds or cutting; 1 foot. June to frost if sown early and late.

**EMPRESS.**—A large-flowered variety of purest white. Pkt. 10c; ¼ oz. 25c; Plants 50c doz. prepaid.

**PINK, CRIMSON OR LAVENDER.**—Very desirable colors; your choice. Pkt. 10c; 3 for 25c.

**DWARF WHITE LITTLE PRINCE.**—Gorws but 6 inches high; excellent for borders. Pkt. 10c; ¼ oz. 25c. Plants 50c doz. prepaid.

**FINEST MIXED.**—All colors. Pkt. 10c; ¼ oz. 25c.

**SEMPERVIRENS.**—Perennial; pure white flowers, evergreen foliage; blooms in June; fine for edging, borders and rockeries; 1 foot. Pkt. 15c; 1-16 oz. 35c.

## CARDINAL CLIMBER

A beautiful and brilliant climber. It is a strong and rapid grower, attaining a height of 25 feet with fiery red flowers. Soak the seed before planting. Pkt. 15c; 2 Pkts. 25c; ½ oz. 50c.

**CALIFORNIA POPPY—See Eschscholtzia.**

## CARNATION

**MARGARET CARNATIONS.**—The earliest to bloom and producing large, double, sweet-scented flowers; being half-hardy perennials. Red White or Choice Mixed. Pkt. 10c. For Carnation Plants see page 23.

## CERASTIUM

(Snow in Summer)

**TOMENTOSUM.**—A very pretty dwarf white-leaved edging or rock plant, bearing small white flowers. Hardy, perennial. Pkt. 15c.

## CENTAUREA

(Bachelor's Button—Cornflower)

Very popular annuals; will grow in the poorest of soil, either on seashore or mountains;

**FINEST SINGLE MIXED.** Pkt. 10c; ¼ oz. 25c.

**CENTAUREA CYANUS fl. pl.** (Double Bachelor's Button).—Beautiful large double flowers. Double Blue or Mixed. Pkt. 10c; ¼ oz. 40c.

**CENTAUREA IMPERIALIS** (Giant Cornflower).—Mixed Colors. Pkt. 10c; ¼ oz. 35c.

**GYMNOCAPA.**—White, fern-like leaves, very graceful and showy; 1½ feet. Pkt. 10c; ¼ oz. 35c.

## CHRYSANTHEMUM

These are very showy flowers of easiest cultivation, July to frost; height 2 feet.

**SINGLE OR DOUBLE ANNUAL, MIXED.** Pkt. 10c.

For Chrysanthemum plants, see page 22.

## CHINESE WOOLFLOWER

Annual. Glowing crimson flowers are produced in profusion. Flowers come early, 2 to 3 feet. Start early and transplant after danger of frost is over. **Crimson.** Pkt. 10c;  $\frac{1}{4}$  oz. 75c.

## CINERARIA

We pride ourselves in offering the choicest strain of this gorgeous flower; grand, large blooms in umbel spikes are borne way above the foliage; colors and markings are superb;  $1\frac{1}{2}$  feet; tender annual; start under glass, pot and keep inside.

**HYBRIDI GRANDIFLORA.** Pkt. 35c.

## CLARKIA

Easily grown, hardy annual for dainty cut flowers. They do well either in sun or shade, growing 2 feet high, with leafy racemes of bright, pretty double flowers. **Double White, Crimson, Salmon Pink or Double Mixed.** Pkt. 10c;  $\frac{1}{4}$  oz. 25c.

## COSMOS

Beautiful autumn-blooming plants. They produce thousands of beautiful flowers, furnishing an abundance of cut blooms for autumn decorations. Can be sown in spring in the open ground, when danger of frost is past, or if wanted early the seed should be started under cover and afterwards transplanted.

**NOTE.**—Too much fertilizer and water will make all foliage and few flowers. **Plants 60c doz., postpaid, in May.**

**DOUBLE CRESTED EXTRA EARLY.**—A new Cosmos of merit. "Double Crested." **Pink, Crimson, White or Mixed.** Pkt. 10c; 3 for 25c.

**MAMMOTH EARLY FLOWERING.**—Large, graceful, long-stemmed single flowers; plant early. **Early White, Pink, Crimson or Mixed.**  $\frac{1}{4}$  oz. 25c. Pkt. 10c, 3 for 25c; Plants, 50c doz., postpaid.

**GIANT PERFECTION.**—Very large and perfect flowers often 3 to 4 inches across; blooms late. **Giant Mixed.** Pkt. 10c;  $\frac{1}{4}$  oz. 25c.

**LADY LENOX.**—Giant flowers, free bloomer, flowers shell pink. Pkt. 10c;  $\frac{1}{4}$  oz. 25c.

## COLEUS

Beautiful foliage plants for house or garden. Easily raised if started early under glass.

**HYBRIDA CHOICE MIXED.** Pkt. 25c; Small Pot Plants, 20c, 3 for 50c, postpaid.

## COREOPSIS

Hardy perennial, with large, showy bright yellow single, daisy-like flowers, produced in the greatest abundance from June till frost. As a cut flower they are unsurpassed and last well.

**LANCEOLATA GRANDIFLORA.** Pkt. 10c;  $\frac{1}{4}$  oz. 35c; Plants, 20c, 3 for 50c, postpaid.

## COBAEA SCANDENS

Our most popular and rapid climbing annual, flowering the first season; 10 to 15 feet. Start seed under glass. **Plants, 25c each; Pkt. 10c;  $\frac{1}{4}$  oz. 35c.**

**COLUMBINE.**—See Aquilegia.

## CYPRESS VINE

A fast-growing annual vine, with feathery dark-green foliage and star-like flowers, July to October; 20 feet. Plant early in light soil and warm location.

**FINEST MIXED.** Pkt. 10c;  $\frac{1}{4}$  oz. 35c.

## DAISIES

**SHASTA DAISY.**—Very popular and desirable perennial; the large single white flowers are freely produced on long stems. **Pkt. 10c; Plants, 20c, 3 for 50c, postpaid.**

SEE "BELLIS" FOR OTHER KINDS.

## DAHLIA

This ery popular flower can easily be raised from seed; started inside in March.

**CACTUS MIXED.** Pkt. 25c.

**DOUBLE FINEST MIXED.** Pkt. 15c.

**DAHLIA BULBS.**—Write for price list.

## DELPHINIUM

(Perennial Larkspur)

Handsome, hardy perennial plants for the herbaceous border and shrubbery, producing a profusion of splendid spikes of flowers throughout the summer. If started early will bloom the first season from seed.

**R. R.'s PRIZE MIXTURE.**—Superb Gold Medal collection of choicest hybrids; new, rare and beautiful shades. Wonderful for cut flowers. **Pkt. 15c;  $\frac{1}{4}$  oz. 60c; Plants, 25c, postpaid.**

**BELLADONNA.**—Very free and continuous bloomer; beautiful; clear light blue. **Pkt. 15c;  $\frac{1}{4}$  oz. 50c; Plants, 20c.**

**BELLAMOSUM.**—Rich, deep blue. **Pkt. 15c;  $\frac{1}{4}$  oz. 50c; Plants, 20c.**

**ROUTLEDGE'S PRIZE WINNING ENGLISH GIANTS MIXED.**—Unequaled for size, variety of colors and beauty of flowers. **Pkt. 100 seeds, 50c; 3 pkgs. \$1.00; Plants, 50c.**

## DIDICUS—"Lace Flower"

A rare and lovely free-flowering half-hardy annual, 18 inches high. Flowers light blue or lavender, very dainty and lace-like. Plants set in the garden bloom from June until late fall. **Pkt. 15c;  $\frac{1}{4}$  oz. \$1.00.**

## DIGITALIS

(Foxglove)

Hardy perennials; very desirable for effective massing or grouping; 3 to 5 feet. **Large plants 20c, 3 for 50c.**

**GLOXINAEFLORA.**—A fine strain with handsome spotted gloxinia-like flowers. **White, Purple, Rose or Mixed.** Pkt. 10c;  $\frac{1}{4}$  oz. 35c.

**MONTROSA (Mammoth Foxglove).**—The tall spikes of flowers are surmounted by one large saucer-shaped flower. **Pkt. 10c;  $\frac{1}{4}$  oz. 40c.**

**BEAUTY MIXTURE.**—A grand mixture of all kinds, colors and shades. **Pkt. 10c;  $\frac{1}{4}$  oz. 50c.**

## DIMORPHOTHECA

(African Daisies)

**AURANTIACA.**—Single Daisy-like blossoms, 2 inches in diameter, of a rich, orange; 12 to 15 inches. **Pkt. 10c;  $\frac{1}{4}$  oz. 35c.**

**AURANTIACA HYBRIDS.**—These come in all colors; rare shades, rich and interesting. **Pkt. 10c;  $\frac{1}{4}$  oz. 25c.**

## DIANTHUS—PINKS

(Garden Pink)

Sown out of doors in May they flower early and continue throughout the entire summer; 1 foot.

**FIREBALL.**—Double scarlet. **Pkt. 10c;  $\frac{1}{4}$  oz. 50c.**

**SNOWDRIFT.**—Double White. **Pkt. 10c;  $\frac{1}{4}$  oz. \$1.00.**

**PRIZE MIXTURE.**—Very rich mixture, all kinds and colors. Unequaled. **Pkt. 10c;  $\frac{1}{4}$  oz. 75c.**

**SEMPERFLORENS (Perennial Hardy Ever-blooming Garden Pinks).**—Very beautiful sweet-scented, double, semi-double and single flowers in great diversity of colors. **Pkt. 15c;  $\frac{1}{4}$  oz. \$1.**

**VALUABLE BOOK—THE GARDEN GUIDE.**—The amateur gardener's handbook, 275 illustrations; covers all subjects. Paper cover, \$1.10; cloth, \$1.65 postpaid.



## ESCHSCHOLTZIA (California Poppy)

One of the most popular garden annuals; 1 foot. Blooms early, profusely and continuously.

**RAMONA**—New Frilled Type.—The color is a pale but glittering coppery gold with pink shadings. This is an unusually attractive novelty which is well fixed. Pkt. 15c, 2 for 25c.

**NEW HYBRIDA GRANDIFLORA MIXTURE.**

This is a wonderful mixture of soft pink, scarlet, copper-red, cream, claret, royal purple and other rich and rare tones. Pkt. 15c; 2 for 25c; ¼ oz. 40c.

**CALIFORNICA**—Bright yellow. Pkt. 10c, oz. 40c.

**GOLDEN WEST**—Very large bright yellow flowers with orange centers. Pkt. 10c; oz. 40c.

**FINEST MIXED**—All shades. Pkt. 10c; oz. 40c.

## ECHINOCYSTIS LOBATA (Wild Cucumber)

The fastest-growing annual vine in existence; will grow 20 feet in six weeks; pretty foliage and inconspicuous white flowers soak seed in water over night before planting in dry weather. Pkt. 10c oz. 35c.

**FORGET-ME-NOT**—See *Myosotis*.

**FOXGLOVE**—See *Digitalis*.

**FOUR O'CLOCK**—See *Marvel of Peru*.

## GEUM

**MRS. BRADSHAW**—A beautiful and hardy perennial, bearing profusely showy double brilliant scarlet-crimson flowers all through the summer; a beautiful and popular flower for beds and borders; excellent for cut flowers. Pkt. 10c, 3 for 25c; Plants, 20c, 3 for 50c, postpaid.

**LADY STRATHEDEN**—Same as above but golden yellow flowers. Pkt. 15c; Plants, 20c, 3 for 50c, postpaid.

## GYPSOPHILA—(Baby's Breath)

Misty white panicles of bloom. The annuals should be sown early in the spring, again in midsummer for a continuous supply.

**ELEGANS ALBA GRANDIFLORA**—Hardy annual, easily grown from seed; flowers small, pure white; 2 feet; June. Pkt. 10c; ¼ oz. 25c.

**"PARIS MARKET"**—Improved variety of above with larger, pure white flowers; annual; 2 feet. Pkt. 10c; ¼ oz. 30c.

**ELEGANS ROSEA**—Hardy annual; flowers delicate pink. Pkt. 10c; ¼ oz. 35c.

**MURALIS**—Hardy perennial; plants dwarf, about 6 inches; flowers shell pink. Pkt. 10c; ¼ oz. 25c.

**PANICULTA**—Hardy perennial; one of the finest for cutting; very small; pure white flowers; June and July; 3 feet. Pkt. 10c; ¼ oz. 25c; Plants, 20c, 3 for 50c; Extra strong, 35c, postpaid.

**PANICULATA. FL. PL.**—Double-flowering; white. Pkt. 25c; 3 for 60c.

## GODETIA

Hardy annual. Attractive flowers of satiny texture. They grow rapidly and flower profusely and are fine for cutting. Fine for seashore; 1 foot; July to October.

**DWARF**—Bright Red, Yellow, Rose, Shell Pink, or Finest Mixed. **TALL**, Double Rich Pink, Rose, Violet, Red, Carmine or Mixed. Pkt. 10c; ¼ oz. 25c.

## GOURDS

These are desirable in many places where an immense amount of vine is wanted quickly. Most sorts are good for 20 feet in a season.

**PIPE, HERCULES, DISH CLOTH, PEAR-SHAPED OR MIXED**—All kinds. Pkt. 10c; ¼ oz. 15c.

## GAILLARDIA

Splendid showy, free-flowering plants for beds or borders; excellent for cutting; July to frost; 1½ feet.

**GRANDIFLORA SUPERBA**—Hardy perennial, splendid mixed single varieties in crimson and gold. **Mixed**. Pkt. 10c; plants, 20c.

**LORENZIANA**—Hardy annual; double flowers in red and yellow shades. Pkt. 10c; ¼ oz. 25c.

**PORTOLA GRANDIFLORA HYBRIDS**—New strain perennial, flowers very large size; color shades of rich, bronzy red and golden yellow. Stems strong and upright. Splendid cut flower. **Mixed**. Pkt. 15c; ¼ oz. 75c.

**THE DAZZLER**—A giant in size. Flowers rich red orange tips. Very attractive. Pkt. 25c.

## HELENIUM

Hardy perennials, bearing in profusion during summer and fall, beautiful flowers for display or cutting. **Plants**, 20c each; 3 for 50c.

**AUTUMNALE SUPERBUM**—Massive spreading heads of golden yellow flowers; 5 feet. Pkt. 10c.

**RIVERTON BEAUTY**—Rich lemon-yellow with purplish black cone; 4 feet. Pkt. 10c.

**RIVERTON GEM**—Old gold changing to wallflower red. Admired by all; 4 feet. Pkt. 10c.

## HELICHRYSUM—(Straw Flower)

**MONSTROSUM FL. PL.**—One of the best of "Everlastings." Make a fine display in the garden. Especially grown to dry and use in baskets and vases through the winter. Hardy annual, 2½ feet. **Double Mixed**. Pkt. 10c, 3 for 25c.

## HELIOTROPE

Delightfully fragrant, half-hardy perennial; popular pot and garden bedding plant; also for cutting.

**FINEST MIXED**. Pkt. 10c; Plants, from small pots, 20c each, 3 for 50c, postpaid.

## HUMULUS—(Japanese Hop)

Hardy annual climber; of rapid growth; attains a height of 12 feet.

**JAPONICA VARIEGATA**—Foliage green and white; very pretty and effective. Pkt. 10c; ¼ oz. 35c.

**ENGLISH HOP ROOTS**—See page 10.

## HOLLYHOCK

One of the most majestic of hardy plants, and a clump in any garden gives an effect not attainable with any other plant. **Plants**, 20c, 3 for 50c, postpaid.

**CHATER'S DOUBLE**—Our superb strain of this is the best that can be produced; seeds saved from the most double flowers.

**WHITE, ROSE, CRIMSON, YELLOW, SALMON ROSE, NEWPORT PINK OR MIXED**. Pkt. 10c; ¼ oz. 75c.

**NEW ANNUAL EVER-BLOOMING**—Seeds sown in the house in March will produce flowers in July.

**SINGLE OR DOUBLE MIXED**. Pkt. 10c; ¼ oz. 50c.

## HUNNEMANNIA

**FUMARIAEFOLIA** (Giant Yellow Tulip Poppy)—Hardy annual; foliage fern-like; flowers tulip-shaped, golden yellow. Pkt. 10c; ¼ oz. 35c.

## JOB'S TEARS

**COIX LACHRYMAE**—Seeds are dried and used for beads. Annuals; 2 to 4 feet. Pkt. 10c; oz. 20c.



## KOCHIA

**SUMMER CYPRESS OR BURNING BUSH.**—Annual; forms dense bushes of upright plumage like foliage; during the summer they remain light green and in early fall they change to deep red; 3 feet. Pkt. 10c; ¼ oz. 25c.

## KUDZU VINE

**PUERARIA THUMBERGIANA.**—A twining vine of remarkably rapid growth, attaining a length of from 40 to 50 feet in one season from established roots; a hardy perennial. Foliage large and lobed; purple, pea-shaped flowers in clusters, borne late in the season. Easily grown from seed. Pkt. 10c.

## LARKSPUR—Annual

Unsurpassed by any other hardy annual. Seed sown in the open ground in April or May will produce flowers from July to frost. Charming cut flowers for decoration.

**TALL "DOUBLE STOCK" FLOWERED.**—The finest tall branching variety with splendid sprays of beautiful flowers; 3 feet.

White, Shell Pink, Lustrous Carmine, Sky Blue, Dark Blue, Bright Rose or Mixed, all colors. Pkt. 10c; ¼ oz. 50c.

**LA FRANCE** is the most striking color of all and without any question the most outstanding novelty for this season. Is a most vigorous and tall grower, producing wonderful long stems of large-formed double flowers, of a pleasing shade of salmon-pink. Pkt. 15c.

**EXQUISITE.**—New, a beautiful soft pink. Pkt. 10c; ¼ oz. 35c.

**TALL "HYACINTH" FLOWERED.**—The flowers are very large, double, and come in the most beautiful colors. Finest Mixed, Pkt. 10c; ¼ oz. 60c.

**PERENNIAL LARKSPUR.**—See Delphinium.

## LATHYRUS LATIFOLIUS

**PERENNIAL SWEET PEA.**—Free flowering, hardy perennial climbers, bearing beautiful flowers all season.

**MIXED.** Pkt. 10c; ¼ oz. 50c.

## LOBELIA

Lobelia Plants in April and May at 50c doz. postpaid.

**ERINUS GRACILIS.**—Trailing, Bright blue flowers. Pkt. 10c; ¼ oz. 35c.

**SPECIOSA.**—Trailing, true dark blue flowers, with dark foliage. Pkt. 10c; ¼ oz. 40c.

**HYBRIDA SAPPHIRE.**—A beautiful trailing Lobelia; very large, deep sapphire blue flowers, with a large and clear white eye. Pkt. 15c; ¼ oz. 75c.

**CRYSTAL PALACE COMPACTA.**—Little dwarf bedding plant; dark blue flowers cover the whole plant. Pkt. 10c; ¼ oz. 50c.

## LINUM—(Flowering Flax)

**GRANDIFLORUM RUBRUM (Scarlet Flax).**—One of the most effective and showy bedding plants, of long duration, having fine foliage and delicate stems, with brilliant scarlet-crimson flowers; hardy annual; 1 foot. Pkt. 10c; ¼ oz. 25c.

## LUPINUS

Ornamental, free-flowering, easily grown, with long, graceful, upright spikes of rich and variously colored flowers; valuable for mixed borders and beds.

**ANNUAL TALL MIXED.** Pkt. 10c; ¼ oz. 35c.

**POLYPHYLLUS MIXED.**—Showy perennials, growing stout and erect; good for cutting, flowers in white, rose and blue colors; 3 feet; May and June. Pkt. 10c; ¼ oz. 35c; Plants 25c.

## LYCHNIS

**CHALCEDONICA.**—Hardy perennial producing bright scarlet flowers of maltese cross form, in medium size flat umbels. Of easy culture; 2 to 3 feet. Pkt. 10c; ¼ oz. 30c.

## MARVEL OF PERU

(Four o'Clock)

Hardy annual, flowering from July to October; brilliant colors; 3 feet.

**FINEST MIXED.** Pkt. 10c; oz. 35c.

## MARIGOLDS

**PLANTS.**—Choice plants in May at 50c doz. postpaid.

### TALL AFRICAN, DOUBLE

Splendid for cutting and decoration; 3 feet. **Orange Prince.**—Enormous double flowers of rich deep golden orange. Pkt. 10c; ¼ oz. 35c. **Lemon Queen.**—Extra large double flowers of a clear canary yellow. Pkt. 10c; ¼ oz. 35c. **Tall African Double Mixed.**—All shades. Pkt. 10c; ¼ oz. 35c.

### DWARF FRENCH, DOUBLE

These form small, compact bushes about 12 inches high, covered with smaller but very rich colored flowers.

**Dwarf Golden Ball.**—Dark Brown Striped or Dwarf Mixed. Pkt. 10c; ¼ oz. 35c.

### DWARF FRENCH SINGLE

**Gold Star.**—Single, rich yellow striped with maroon. Pkt. 10c; ¼ oz. 25c.

**Legion of Honor.**—Golden yellow marked with velvety brown. Single. Pkt. 10c; ¼ oz. 30c.

### TALL FRENCH DOUBLE

These are ideal for cutting and we offer your choice of Dark Brown, Lemon, Striped Orange and Mixed. Also Tall Single Josephine, gold and brown, all at 10c Pkt., 3 for 25c.

### NEW DWARF MARIGOLD

**Signata Pumila.**—A miniature marigold flowering, compact little plant, 6 to 8 inches high and completely covered with single flowers which are bright yellow with a brown stripe down the center of each petal. Very striking for edgings. Planted alone or with Lobelia for a contrast. Pkt. 15c; 2 for 25c; ¼ oz. 40c.

## MIGNONETTE

(Reseda)

**GRANDIFLORA.**—Large, flowering, sweet, fragrant, spikes of greenish yellow color. Pkt. 10c; oz. 35c.

**DEFIANCE.**—Giant spikes; flowers abundant and very fragrant. Pkt. 10c; ¼ oz. 25c.

**GOLIATH RED.**—Excellent for pots or garden; highly colored. Pkt. 10c; ¼ oz. 35c.

## MYOSOTIS

(Forget-Me-Not)

Hardy perennials if given slight protection through the winter.

Seed may be sown any time from spring till mid-summer.

**DISSITIFLORA.**—Rich blue; early flowers in fine sprays; 6 inches. Pkt. 15c; ¼ oz. \$1.50.

**ALPESTRIS VICTORIA.**—Of bushy habit; bearing large, double, bright blue flowers; yellow eye; very fine; 6 inches. Pkt. 10c; ¼ oz. \$1.00.

**ALPESTRIS ROYAL BLUE.**—Rich indigo blue; 9 inches. Pkt. 15c; ¼ oz. 50c.

**FINEST MIXED.**—A mixture of blue, rose and white varieties. Pkt. 10c; ¼ oz. 40c.

**PALUSTRIS SEMPERFLORENS.**—Perennial; flowers bright blue; blooms from early spring until autumn. Pkt. 15c; ¼ oz. \$1.00.

## MORNING GLORY

(Ipomoea)

**CONVOLUVULUS MAJOR.**—Tall, choice, single mixed; all colors. Pkt. 10c; oz. 35c.

**CONVOLUVULUS MINOR.**—Dwarf mixed. Very spreading; 12 inches. Pkt. 10c; oz. 35c.

**IMPERIAL JAPANESE FRINGED.**—These have very large fringed flowers in a great variety of the most exquisite colorings; handsome foliage. Pkt. 10c; oz. 50c.

**CHOICE PRIZE MIXTURE.**—This is a mixture of both American and Japanese varieties; very choice. Large Pkt. 10c; oz. 50c.

**MICHAELMAS DAISY.**—See Hardy Aster.

## NEMESIA

**GRANDIFLORA COMPACTA TRIUMPH.**—A very pretty, half-hardy, free-flowering annual; the plants grow about a foot high and the beautiful, dainty flowers are very varied in color, including rose, yellow, blue, orange, etc. An ideal bedding plant. Seed sown in the autumn makes beautiful pot plants for early spring blossoms. Mixed colors. Pkt. 15c; ¼ oz. 60c.

## NASTURTIUM—TALL OR CLIMBING

The most popular and most beautiful free-flowering annual climbing vines.

### ROUTLEDGE TALL PRIZE MIXTURE

This is undoubtedly the finest mixture of tall nasturtiums offered anywhere; every shade is grown separately and then mixed; dark leaved. Large Pkt. 15c; oz. 25c; ¼ lb. 60c.

**TALL CHOICE MIXED.**—A very fine selection of beautiful varieties. Large Pkt. 10c; oz. 15c; ¼ lb. 50c.

**IVY-LEAVED FINEST MIXED.**—An excellent variety for vases, hanging baskets, etc. Pkt. 10c; oz. 25c.

**VARIEGATED.**—A new strain of tall Nasturtiums having beautifully variegated leaves; green, white and yellow; flowers large and of many bright colors. Pkt. 10c; oz. 25c.

## DWARF NASTURTIUMS

These are of dwarf, compact, rounded growth and are especially desirable for planting as borders to flower-beds or along garden walks.

### R. R.'S DWARF BEAUTY MIXTURE

Composed of new and rare sorts; exceedingly brilliant and beautiful. A mixture of very lovely, true dwarf varieties. Large Pkt. 15c; oz. 25c; ¼ lb. 60c.

**CHOICE DWARF MIXED.**—All good varieties. Large Pkt. 10c; oz. 20c; ¼ lb. 50c.

## NICOTIANA

One of the easiest annuals to raise and one of the most effective. The flowers are long tubed, star-shaped, and are produced in great profusion. The flowers open toward evening.

**AFFINIS.**—Delightfully sweet-scented, pure white flowers, blooming continually; 2 to 3 feet. Pkt. 10c; ¼ oz. 25c.

**AFFINIS-HYBRIDA.**—Splendid hybrids in blue, red and rose shades. Pkt. 10c; ½ oz. 30c.

**SANDERAE.**—Of elegant branching habit, beautiful rosy carmine flowers; all-summer; 3 feet. Pkt. 10c; ½ oz. 30c.

## NIGELLA

A compact free-flowering plant with finely cut foliage and pretty feathery flowers; hardy annuals; blue and white; 1½ feet.

**DOUBLE MIXED.** Pkt. 10c; ½ oz. 15c.

**MISS JEKYLL.**—A lovely variety with cornflower blue blossoms; splendid for cutting. Pkt. 10c; ½ oz. 25c.

**POT MARIGOLD.**—See Calendula.

## PORTULACA

Low-growing or creeping half-hardy annual, 6 to 8 inches high.

**SINGLE, FINEST MIXED.** Pkt. 10c; ¼ oz. 30c.

**DOUBLE, FINEST MIXED.** Pkt. 15c; ¼ oz. 60c.

**PLANTS IN MAY.** Doz., postpaid, 50c.

## PENTSTEMON

(Beard Tongue)

The handsome, brilliant flowers are borne on long terminal spikes, much resembling Gloxinias. Perennial.

**HYBRIDA MIXED.** Pkt. 10c; ¼ oz. 50c.

## PHLOX DRUMMONDI

We know of nothing which produces such a continuous supply of the most attractive flowers in a most wonderful range of colors; 1 foot.

**DRUMMONDI GRANDIFLORA, MIXED.**—A splendid mixture of all shades and colors. Pkt. 10c; ¼ oz. 40c; Plants, 50c doz., postpaid.

**SEPARATE COLORS.**—White, Pink, Rose, Scarlet, Lilac, Pimrose or Striped. Pkt. 10c; ¼ oz. 60c.

**DECUSSATA (Tall Perennial Phlox).**—One of the finest perennials with its extremely large heads of the most magnificent colored flowers; June to September. Pkt. 10c; ¼ oz. \$1.00.

**PERENNIAL PHLOX PLANTS** 20c, 3 for 50c.

## PRIMULA

(Primrose)

The first two varieties named below are hardy, early-blooming garden plants, and the others beautiful winter-blooming house plants. Their various forms and blending of colors are exceedingly pleasing and effective.

**POLYANTHUS (Veris Mixed).**—Early blooming, dwarf growing plants, valuable for outdoor bedding and edging; 8 inches; perennial. Pkt. 15c.

**VULGARIS (Veris Aurcau).**—Yellow, common English Primrose; hardy garden variety; perennial; 8 inches. Pkt. 15c.

**OBCONICA GRANDIFLORA HYBRIDS.**—Greenhouse variety, for pots only. Pkt. 25c.

**SINENSIS OR CHINESE PRIMROSE.**—Beautiful, large, fringed flowers; especially fine for pot culture. Pkt. 35c.

## GIANT PANSIES

**ROUTLEDGE PRIZE MIXTURE.**—For variety of markings, beauty of form, size and splendid texture, this superb strain cannot be excelled. Pkt. 25c; ½ oz. \$1.25; Plants, 75c doz.

**STEELE'S MASTODON GREENHOUSE SPECIAL.**—This superb strain is famous among professional florists everywhere. Pkt. 25c; ¼ oz. \$1.50.

**GIANT TRIMARDEAU.**—A popular bedding strain on account of the strong, sturdy plants and the enormous flowers in the greatest variety of colors. Mixed. Pkt. 15c; ¼ oz. 50c; Plants, 50c doz.

**CHOICE MIXED.** Pkt. 10c; ¼ doz. 35c.

**Your Choice Following.** Pkt. 20c.

**MADAME PERRETT.**—Fringed; wine red.

**MICHAEL.**—Pure white.

**Mlle. ISABELLE.**—Ruffled bronze-yellow.

**VULCANO.**—A rich velvety Burgundy red.

**MADAME STEELE (Elks Purple).**—A giant.

**PANAMA PACIFIC.**—A huge deep yellow.

Our 2-Page Leaflet, "HOW TO GROW FLOWERS FROM SEEDS," Free on Request.

**AMERICAN GREENHOUSE CONSTRUCTION.**—By R. T. Muller. Complete in every detail. 152 pages. Cloth bound, \$1.65.



## PETUNIA

One of our easiest cultivated and freest flowering annuals. Will succeed almost anywhere and give a continuity of the most brilliant bloom from June till killed by frost. Excellent for balcony or porch boxes. The strains we offer are the very choicest obtainable.

### Single Varieties

**RUFFLED GIANT PRIZE MIXTURE.**—This strain produces in great profusion enormous flowers, having edges of petals beautifully ruffled and fluted; of great variety of colors, many being beautifully veined; unsurpassed for size and beauty. Pkt. 35c; 1,000 seeds \$3.00.

**NEW FRINGED HYBRIDIA.**—A lovely petunia with charming fringed owners of exquisite forms and beautiful color. Not equal in size to Ruffled Giant, but they are more delicate and really beautiful. Pkt. 25c; 3 for 60c.

**LARGE-FLOWERED FINEST MIXED.**—Fine large flowers in superb mixture. Pkt. 15c; ½ oz. \$1.00.

**FINE MIXED.**—An assortment of medium-sized flowers; fine for bedding. Pkt. 10c; ¼ oz. 50c.

**PINK TRIUMPH.**—Of large size, beautifully ruffled, a clear, bright pink. Pkt. 20c; 3 for 50c.

**ELKS' PURPLE.**—Giant single purple. Pkt. 35c.

**PRIDE OF PORTLAND.**—Beautiful fringed pink. Very popular local variety. Pkt. 35c.

**ROSY MORN.**—Soft carmine pink, with white throat. A wonderful bloomer and fine for beds or border. Pkt. 10c; ¼ oz. 75c.

### Double Petunias

All of our Double Petunias are selected with greatest care, and contain as large a percentage of double flowers as it is possible to obtain.

**GIANT DOUBLE, FINEST MIXED HYBRIDS.**—A new and exceptionally fine strain; unsurpassed for the large, beautifully colored double flowers. Pkt. 50c; 500 seeds \$3.00.

**GIANT DOUBLE MIXED.**—Large fringed flowers of wonderful form and beauty. Quite true. Pkt. 35c; 500 seeds \$2.50.

**CHOICE DOUBLE MIXED.**—Large per cent of double flowers. Pkt. 25c; 500 seeds \$2.00.

## POPPY—PAPAYER

Universal favorite of the easiest culture. Both perennial and annual poppies bloom the first year and from early-sown seed.

**FLANDERS (Perennial).**—The scarlet poppy of the fields of Flanders. Flowers satiny, crinkled, bright scarlet, nicely poised on slender stems. Pkt. 10c; ¼ oz. 25c.

**TALL PEONY FLOWERED (Annual).**—Large, showy double globular flowers. Mixed Pkt. 10c.

**CALIFORNIA POPPY.**—See Escholtzia.

**CARNATION FLOWERED (Annual).**—Splendid double fringed flowers. Pkt. 10c; oz. 25c.

**ICELAND, OR NUDICAULE (Perennial).**—Fern-like foliage, formed in tufts, from which issue slender stalks, bearing beautiful brilliant single flowers; fine for cutting. Single Plants, 20c, 3 for 50c, postpaid.

Single Yellow, White or Scarlet. Pkt. 10c; ¼ oz. 50c. Single, Mixed. Pkt. 10c; ¼ oz. 35c.

**DOUBLE ICELAND MIXED.**—Very choice strain; double flowers. Pkt. 15c; ½ oz. \$1.00.

**SUNBEAM.**—An improved and glorified Iceland poppy. Mixed, Deep Orange or Yellow. Pkt. 15c; ½ oz. 75c.

## ORIENTAL POPPY

**GIANT ORIENTAL POPPIES.**—Among hardy perennials these hold an unrivaled position for gorgeous effectiveness. Height 2 to 3 feet.

**ORIENTAL BRILLIANT.**—Bright scarlet, black spots at base of each petal. Pkt. 10c; ¼ oz. 75c.

**ORIENTAL PRINCESS VICTORIA.**—A beautiful salmon-pink; wonderful flower. Pkt. 25c.

**ORIENTAL MIXED.**—Pkt. 15c; ½ oz. \$1.00.

**ORIENTAL POPPY PLANTS.** 25c, 3 for 60c postpaid.

## PYRETHRUM

**AUREUM (Golden Feather).**—Half-hardy, perennial; valuable for edging; yellow foliage. Pkt. 10c.

**HYBRIDUM GRANDIFLORUM.**—Produce in early spring and again in the fall, large daisy-like flowers in a wide range of colors; excellent for cutting; perennial. Plants, 20c; 3 for 50c, postpaid.

**SINGLE MIXED.** Pkt. 15c; ¼ oz. \$1.00.

**HYBRIDUM DOUBLE MIXED.**—A grand improvement in form and rare colors. Pkt. 25c.

## RICINUS—(Castor Oil Bean)

A magnificent and highly ornamental plant, with picturesque foliage and stately growth; hardy annuals.

**ZANZIBARENSIS, Mixed.**—Dark bronzy green and red leaves; 8 to 10 feet high. Pkt. 10c; oz. 35c.

**SANGUINEUS TRICOLOR.**—Red stems, green leaves, red veins; 6 feet. Pkt. 10c; oz. 35c.

**GIBSONI.**—Dark red foliage. Pkt. 10c; oz. 35c.

**FINEST MIXED.**—All kinds. Pkt. 10c; oz. 20c.

**ROCK CRESS.**—See Arabis and Aubrieta.

## SCHIZANTHUS

(Butterfly Flower)

Beautiful garden annuals; flowers charmingly fringed and delicately colored; 1 to 2 feet.

**GRANDIFLORA MIXED.** Pkt. 10c; ¼ oz. 75c.

## SAPONARIA

**OCYMOIDES.**—Very showy perennial rock plant producing all summer masses of small white rose flowers; 9 inches. Pkt. 15c.

**VACCARIA.**—Annual, 2 feet, satiny pink. Fine in bouquets. Pkt. 10c.

## SWEET WILLIAM

Hardy biennial, well known, and very popular. The handsome, showy heads of brilliant flowers from June to September, are very effective. (Large plants 20c, 3 for 50c.)

Dark Crimson, White, Pink Beauty or Mammoth.

Single Mixed. Pkt. 10c; ½ oz. 50c.

Double Mixed.—All colors. Pkt. 10c; ½ oz. 40c.

## STOCK—(Gilliflower)

By far one of the most popular annuals for garden or greenhouse culture. They are superb for cutting and are of great value for bouquet work. Flowers are of delicious fragrance.

**BISMARCK TEN WEEKS.**—New. A quick blooming giant flowered stock of special merit, of branching habit and produces freely beautiful spikes of double flowers. White, Blush, Rose, Yellow, Lavender, Dark Blue, Fiery Red and Choicest Mixed. Pkt. 10c, 3 for 25c; ¼ oz. 90c.

**GIANT PERFECTION.**—Large double flowers; fine for cutting and garden; 2 feet. Finest Mixed. Pkt. 10c; ¼ oz. 5c; Plants, 50c doz.

**BEAUTY OF NICE.**—Popular with florists for cutting, flowers of large size, double, and freely produced; 2 feet.

Mixed.—All colors. Pkt. 10c.

Princess Alice.—Double white. Pkt. 10c.

Queen Alexandria.—Soft rosy lilac. Pkt. 10c.

Beauty of Nice.—Delicate flesh pink. Pkt. 10c.

**MILADY'S HOUSE PLANTS.**—Tells you how to be successful with house plants. Paper cover, \$1.10; cloth, \$1.35.



# SWEET PEAS "Highest Quality" TRUE VARIETIES

QUALITY and TRUENESS is what makes the price in Sweet Peas. Low prices never bought "HIGHEST QUALITY" Seeds. Read about "Snarol," page 26.

## NEW GIANT SPENCERS 1932 PRIZE COLLECTION

Collection Price, 12 New, Lovely Kinds  
(value \$1.65), SPECIAL, \$1.00, postpaid.)

**MARY PICKFORD**.—A beautiful dainty cream pink with just the faintest suffusion of salmon, making a color combination of delightful beauty. Flowers large, decidedly waved on long stems of real merit. Pkt. 10c; ½ oz. 30c; oz. 50c.

**HEAVENLY BLUE**.—This is a charming shade of bright sky-blue. The flowers are large and of finest form and come freely on long stems. It is bright and harmonious when bunched. Pkt. 15c; ½ oz. 35c; oz. 60c.

**AVALANCHE**.—It is gigantic in size, exquisite in form and pure in color. By far the best white Sweet Pea today. Perfect long stems, with four beautiful frilled flowers. A vigorous grower, very free-flowering and a prize winner. Pkt. 15c; ½ oz. 35c; oz. 60c.

**ROYAL SOVEREIGN**.—A wondrous variety, and great producer of enormous, waved and frilled flowers that generally come four to the stem. The color is a rich, glowing, deep orange. Pkt. 15c; ½ oz. 35c; oz. 60c.

**WEMBLEY**.—New.—A true, clear, lilac lavender of giant size and perfect form. There is nothing quite so rich in lavenders as this splendid variety. Pkt. 15c; ½ oz. 35c; oz. 60c.

**PINKIE**.—This beautiful Sweet Pea is unsurpassed for either exhibition or general cutting purposes. The color is a most distinct and beautiful shade of rich rose pink, flushed and shaded with salmon pink. Long stems. Pkt. 15c; ½ oz. 35c; oz. 60c.

**GOLD CREST**.—A great advance in its color class; a flower of great size and finest form. The color is salmon, flushed orange. Truly a beautiful flower. Pkt. 10c; ½ oz. 30c; oz. 50c.

**WHAT JOY**.—At last a deep, rich, pure cream colored sweet pea of vigorous free-flowering qualities. Fine frilled flowers; very charming. Pkt. 15c; ½ oz. 35c; oz. 60c.

**POWERSCOURT**.—A pure lavender self with flowers of mammoth size, yet refined and well placed on long stems. Of vigorous and free-flowering habit. The one best pure lavender. Award of Merit from the National Sweet Pea Society of Great Britain. Pkt. 15c; oz. 60c.

**CHARITY**.—New.—A remarkable new crimson of great richness and substance. Wonderful flowers, freely produced on long stems. Unsurpassed. Pkt. 10c; oz. 40c.

**MAMMOTH**.—This will please all who admire bright scarlet sweet peas. Flowers large, or perfect form and freely produced on long stems. Blazing scarlet. Pkt. 15c; ½ oz. 35c.

**MAGNET**.—This is a magnificent bright cream pink. The standard is of enormous size and frequently measures 2½ inches across. The whole flower is of excellent form, much waved and frilled. Pkt. 15c; ½ oz. 30c; oz. 50c.

**SUPERB COLLECTION** and **MIXED** Sweet Peas next page.



## EARLY FLOWERING SWEET PEAS

An early strain of Spencer sweet peas that are popular in some sections where the summers are hot or seasons are short. Also used for greenhouse forcing in the winter.

**EARLY SUNRISE MIXTURE**. Pkt. 10c; oz. 35c.

## CUPID SWEET PEAS

Compact dwarf plants, seldom growing over 4 to 6 inches high. Flowers of good size and at the top of short, stiff stems.

**CUPID MIXED**. Pkt. 10c; oz. 25c; ¼ lb. 75c.

Leaflet, "HOW TO GROW PRIZE SWEET PEAS," free on request.

Treat your Sweet Peas with "Nitrogen Inoculator" before planting and note increased vigor of the plants—see page 9.

## Superb 1932 Collection Sweet Peas

**SPECIAL.**—One packet of each of the following seven choice kinds—**VALUE** 75c, for 50c. Add 15c extra (total 65c), and we will include a 25c packet of R. R.'s Superb Mixture Giant Spencers (described below):

**CONSTANCE HINTON.**—Giant white of fine form. Hardy. Pkt. 10c; oz. 35c.

**MARGARET ATLEE.**—Rich cream plug, beautifully frilled. Pkt. 10c; oz. 35c.

**HALMARK LAVENDER.**—Beautiful, pale lavender, large flower. Pkt. 15c; oz. 35c.

**HALMARK PINK.**—A very rich pure pink of fine form. Pkt. 10c; oz. 35c.

**BARBARA.**—Very popular. Beautiful rich orange. Pkt. 10c; oz. 35c.

**KING EDWARD SPENCER.**—The most popular deep scarlet. Pkt. 10c; oz. 35c.

**SUNKIST.**—Beautiful flower, cream with picotie edge of rose. Pkt. 10c; oz. 35c.

## R. R.'s Superb Mixture of Giant Spencer Sweet Peas

This is our own special mixture and is composed only of the best giant orchid-flowering wavy Spenser varieties. For healthy, robust growth, wealth of blooms, size of flowers and exquisite and rare colorings, this mixture is unequalled. ½ oz. pkts. 15c; oz. pkts. 25c each; 3 for 60c; 6 for \$1.00.

### SALVIA—(Scarlet Sage)

The Scarlet Sage has long been a favorite bedding plant, bearing long spikes of brilliant scarlet flowers in great profusion from July till frost. **PLANTS IN MAY.** 50c doz., postpaid.

**SPLENDENS COMPACTA.**—Large spikes of bright scarlet flowers; 3 feet. Pkt. 10c; ½ oz. 50c.

**AMERICA.**—Of dwarf, bushy, compact growth, continuous bloomer. Flowers brilliant, rich scarlet. 1½ feet. Pkt. 15c; ½ oz. 75c.

**BONFIRE.**—Of bushy, compact growth. Flowers dark, rich scarlet, on spikes which stand clear of the foliage; 2 feet. Pkt. 15c; ½ oz. 60c.

**ZURICH.**—A splendid dwarf; early. Brilliant scarlet and very free flowering; 15 to 18 inches. Very popular. Pkt. 15c; ½ oz. 75c.

### SCABIOSA

(Morning Bride—Pin Cushion Flower, Etc.)

The hardy annuals are easily grown from seeds sown after danger of frost is over. July to frost; 2 feet. For cut flowers they are wonderful, lasting for nearly a week.

**HARDY ANNUALS.**—Lavender, Rose, Yellow, Scarlet or White or Finest Mixed. Pkt. 10c; ¼ oz. 35c. (Plants in season 50c doz., postpaid.)

**HARDY PERENNIAL VARIETIES.**—Causasia, soft blue, pkt. 15c. Japonica, lavender blue, pkt. 10c.

**SNAPDRAGON.**—See Antirrhinums.

**STRAWFLOWER.**—See Helichrysum.

### SALPIGLOSSIS

Produces very showy, trumpet-shaped flowers of large size and rich, gorgeous colors; fine for beds and one of the prettiest cut flowers we have. Easily started outside; half-hardy annuals; 2 feet.

**EXHIBITION MIXTURE.**—Large flowering, of the very choicest colors. Pkt. 10c; ½ oz. 35c.

**SEPARATE COLORS** as follows: Purple, Scarlet, Violet, White, Brown, Light Blue, Pink and Red. Pkt. 10c, 3 for 25c; ¼ oz. 50c. Plants, mixed colors, 50c doz., postpaid.

### STATICE

Splendid hardy perennials, either for the border or rockery, producing all summer cloud-like panicles of minute flowers, which can be dried and used for winter bouquets. 2 feet.

**LATIFLORA.**—(Perennial.) Deep blue. Pkt. 10c.

**SINUATA.**—Annual Statics, in blue, rose or white. Pkt. 10c.

**WILD FLOWER GARDEN MIXTURE.**—This is a mixture of easy growing, hardy annual and perennial flower seeds, embracing a wide range of different kinds and colors. Very desirable for sowing broadcast along walks, shrubbery, pathways, roadways or in the garden. With little or no care they will produce a bright effect and furnish an abundance of flowers for cutting. If you wish to get the largest returns, plant in a prepared bed and when the plants are a few inches high, transplant here and there or wherever wanted. You will derive a great amount of pleasure from watching the development of the flowers from the unknown plants. Prices: Well filled pkts. 10c; oz. 25c; lb. \$2.00.

### THALICTRUM

(Meadow Rue)

Finely cut foliage and lovely flowers. Will do well in shady places.

**DIPTEROCARPUM.**—Buds resemble pearls opening into lovely lavender flowers. Pkt. 25c; Plants, 3 for \$1.00.

**GLAUSUM.**—Fine cut glaucous foliage, bronzy-yellow flowers in June. Pkt. 15c.

**AQUILEGFLORUM ALBUM.**—Elegant foliage feathery white flowers. Pkt. 15c.

### THUNBERGIA

Extremely pretty yellow flowers with dark eye; rapid-growing annual trailers.

**FINEST MIXED.** Pkt. 10c; ¼ oz. 75c.

### TRITOMA

(Red Hot Poker)

Striking and exceedingly ornamental autumn flowering plant. Showy flower spikes, shaded red and yellow; 3 feet. Pfitzeri Pkt. 10c; ½ oz. 50c; Plants 35c postpaid.

### VERBENA

Plants in May, 50c doz., postpaid.

**NEW GIANT.**—The most beautiful and remarkable variety. Mixed Pkt. 15c.

**LUCIFER.**—A new mammoth variety of dwarf spreading nature, flowers of the bright, vivid, cardinal scarlet, throughout. Pkt. 15c; ¼ oz. 60c.

**MAMMOTH.**—A carefully selected and improved giant strain. Mammoth White, Scarlet, Rose-Pink, Purple shades or Mixed. Pkt. 10c; ¼ oz. 50c.

### VALERIANA

(Garden Heliotrope)

A fine old-fashioned hardy plant; flowers have a strong heliotrope odor; showy, red or white; 2 feet. Mixed. Pkt. 10c; ¼ oz. 25c.

### VIOLAS

Tufted Pansies, Pkt. 15c

### VIOLET

**ODORATA.**—Blue. Pkt. 25c.

**VIOLET PLANTS.**—A collection of 6 named kinds for \$1.00, postpaid.

### WALLFLOWER

Very highly prized, old-fashioned plants, beautiful, early spring flowers; Plants 25c.

**SINGLE YELLOW, DARK RED OR MIXED.** Pkt. 10c; ½ oz. 25c.

**DOUBLE, FINEST MIXED.**—Fragrant; 3 feet. Pkt. 15c; ½ oz. \$1.00.

**WILD CUCUMBER.**—(See Echinocystis).

### ZINNIAS

For the latest and best varieties see back cover.



"Highest  
Quality"

## Lawn Grass Seed

Quality"  
"Highest

### R. R.'s EVERGREEN LAWN GRASS

After many years' experience, we offer our pure, clean Evergreen Lawn Grass Seed Mixture, composed of a thoroughly balanced combination of various native and foreign fine-leaved, deep-rooting grasses of interweaving habit, that will flourish under varied soil and climatic conditions. It can be depended upon to produce a beautiful, compact, evergreen sod that will resist tramping and hard usage, and at the same time present that handsome, velvety appearance so much desired.

**R. R. EVERGREEN LAWN GRASS.**—Recognized by expert gardeners as the "highest quality." Portland's finest lawns have been grown from this mixture. PRICE, 60c per lb.; 10 lbs. \$5.50. Add postage by mail.

**FAIR-GREEN LAWN MIXTURE.**—This is a good mixture that will come quick and give a green covering. Better than most other low priced lawn mixtures. Price: 40c lb.; 10 lbs. \$3.50, postage extra.

**SHADY LAWN MIXTURE.**—Especially for shady places. 60c lb., postage extra.

**CREeping BENT.**—Very desirable for either lawns or putting greens on account of the fine, firm and enduring turf it produces. Used very extensively on our local golf courses. We offer highest quality pure seed.

**ASTORIANA, PACIFIC or SEASIDE.**—Oregon Grown.—True and pure, per lb. \$1.40; 10 lbs. \$13.50.

**IMPORTED BENT.**—Per lb., postpaid, \$1.35. Write for quantity prices.

**CHewing FESCUE.**—Recommended for lawns and golf links. It is a fine-leaved low-growing grass that forms a compact turf. Lb. 60c; 10 lbs. \$5.50.

**KENTUCKY BLUE.**—One of the best grasses for permanent pasture.

**FOR LAWNS.**—Blue Grass is used very extensively for lawns and is found in all good lawn grass mixtures.

**Our H. Q. (highest quality) Extra Fancy seed** is unexcelled for weight and purity. Lb. 50c; 10 lbs. \$4.50. Ordinary Grade, 30c lb.

**WHITE CLOVER.**—Used largely in lawns

**FOR LAWNS.**—Always buy our "H. Q." Fancy Seed, which is the purest high quality seed obtainable, and the true very dwarf, hardy variety. Lb. 60c; 10 lbs. \$5.50.

FERTILIZE THE LAWN EVERY FALL AND SPRING. SEE PAGE 11

Prices on Grass, Clover and Field Seed subject to market changes. Write when ready to buy.

## BEAUTIFUL HARDY LILIES

These are the most fragrant, beautiful and stately of all flowers from hardy bulbs. We list only the hardy varieties that will give planters much pleasure and happiness. Ideal locations are in the shrubbery or herbaceous border, where the roots are sheltered from the hot sun and the soil is well drained.

**AURATUM** (The gold-banded Lily of Japan).—Strong, sturdy grower, profuse bloomer. Large, and handsome. Each 35c.

**PLAYPHYLLUM.**—Larger than the Auratum; same type flower. The giant of the lily family. Each 50c.

**SPECIOSUM RUBRUM.**—Beautiful hardy, easily grown; flowers; white ground, suffused deep rose, dotted with crimson, reflexed petals, free bloomer. 2 sizes, 25c and 40c.

**SPECIOSUM MAGNIFICUM.**—Similar to the above, but of a deeper, richer color. Each 35c.

**GIGANTEUM** (Easter Lily).—Pure pearly white, deliciously fragrant. Each 35c.

**TIGER LILIES.**—Very hardy and sure to bloom. Large flowers, rich orange, with small black dots. Prices: Single 25c, Double 35c.

**MT. HOOD** (L. Washingtonianum).—A beautiful lily, native of Oregon; flowers ivory white, tinted with lavender-pink. Each 25c and 35c.

**ELEGANS PLENO.**—The double, chrome orange suffused with apricot. Each 40c.

**ELEGANS INCOMPARABLE.**—Flowers bright scarlet. Very showy, quite rare. Ea. 50c.

**REGALE** (Myriophyllum).—A magnificent new lily from China. Grows 4 to 6 feet high, bearing handsome fragrant white trumpet-shaped flowers; pink outside and the inside lower petals tinged primrose-yellow. It will thrive in any good, well-drained soil. The fragrance is delightful and fascinating; 2 sizes, 25c and 40c.

**REGAL LILY SEED.** Per Pkt. 25c; oz. \$1.50; 4 oz. \$4.00; write for quantity prices.

**ALICE WILSON.**—Rich lemon yellow flowers of large size. Flowers upright in growth. An unusual color and very early. Each 50c.

**HENRYI.**—Rich apricot yellow, free bloomer and sure to grow. Large bulbs 60c, medium 50c.

**CANDIDUM** (Madonna Lily).—The ever-popular, fragrant, snow-white, hardy garden lily. Each 25c and 35c.

**UMBELLATUM GRANDIFLORUM.**—Flowers are large size, trumpet shape and borne upright. Color, orange, suffused with brilliant red. Each 35c.

**HANSONI.**—Blooms in early July in large clusters. Flowers bright golden yellow with small brown dots; very hardy. Each 40c.

## CALLA LILIES

The Calla is one of the finest winter flowering bulbs for room culture. One bulb in a 6-inch pot, 3 bulbs to an 8-inch.

**YELLOW.**—Flowers are large, rich, dark golden yellow; leaves beautifully spotted with white. Select bulbs, each 35c, 3 for \$1.00.

**WHITE CALLA.**—The large, pure, white flowers are easily grown indoors. Bulbs in season from September to May. Choice bulbs, each 25c; extra large 35c.

## GLOXINIAS

One of the most charming and effective of summer flowering bulbs for the conservatory or house culture. They produce gorgeous colored flowers in many shades of color, including white, red, purple, blue, etc., etc. The throat of each flower is usually marked with white and bordered likewise. They do best in an equal mixture of peat, loam and sand. Mixed colors only, choice bulbs, 40c, 3 for \$1.00.

GROUND PEAT is very valuable in LILY BEDS and as a top dressing over LAWNS. See page 11.

# FLOWERING AND ORNAMENTAL PLANTS

## Ferns and Palms

Prices postpaid, except specimen plants, which must go by express.

**OSTRICH PLUME** (Sec cut).—Full and fluffy, These ferns are truly magnificent. Price 25c.  
Specimen plants in pots, \$1.00 to \$2.50

**ASPARAGUS SPRENGERI** (Emerald Feather).—Of drooping or trailing nature, for hanging pots, or baskets; feathery foliage; very hardy. Price 20c. Large plants in pots 75c.

**ASPARAGUS PLUMOSUS** (Climbing Lace Fern).—Very popular and easily grown; foliage as fine as the finest silk lace. Price 25c

**KENTIA PALM**.—A beautiful, graceful, handsome looking, strong growing palm. The most popular for house culture. Not mailable. Prices \$1.25 to \$5.00

**RUBBER PLANT**.—Very ornamental, and easily grown. Its glossy, thick, dark-green leaves are not affected by dust or gas. (Not mailable). . . . . Prices \$1.25 to \$3.00

## Flowering Plants

All prices postpaid

**REX BEGONIAS**.—One of the most ornamental of window plants. Very popular and easily grown. Prices: 35c each; 3 sorts, 75c. 25c each.

**ALOYSIA CITRIODORA**.—(Lemon Verbena).—Sweet scented foliage. 25c each

**CYCLAMEN**, Giant Persian.—Young plants for blooming next Winter, 25c each; 3, all different, 65c.

**WANDERING JEW** (Tradescantia).—Two kinds, green leaved and pink variegated. Each 20c.

**PRIMROSE**.—The freest flowering house plants we know of, very lasting and one of the most desirable plants for the house ever introduced. Lavender, Pink, White or Red. Price, 25c each.

**PELARGONIUMS**.—(Lady Washington Geraniums).—An old but popular family of bedding and house plants. Delicate and richly colored flowers. We have four choice sorts. Price 30c each. Set of four for \$1.00..

## Choice Fuchsias

Excellent pot flowers for the house, also very pretty in the garden. The single varieties are the most floriferous, while the double sorts bear the larger flowers.

### BEAUTY COLLECTION

Price: 20c Each; Set of 6 Sorts, \$1.00

**Annie Earle**.—Tube and sepals waxy white, corolla single, clear carmine; free blooming.

**Beauty of Exmouth**.—Rich purple corolla. Scarlet sepals. Double flowered.

**Black Prince**.—Single violet rose corolla with carmine pink sepals.

**Montrosa**.—Graceful double white flowers.

**Swanley Gem**.—Single purplish mauve corolla. Sepals deep red. Long narrow bloom.

**Sylvia**.—Large double corolla, pure white veined scarlet. Sepals scarlet. One of the best

## Star of Bethlehem

*Ornithogalum Arabicum*

These bulbs produce a cluster of beautiful pearly white, star-shaped flowers, on 15 to 18-inch stems. Every flower has a jet black center. Very attractive, fragrant, and lasting. Easily grown in pots inside or after freezing, planted outside. Try a few, you will be pleased and have a rare flower. Each 10c; doz. 75c.

Bulbs in stock November to March.

## Geraniums

The most popular Pot, Box and Garden plants we have.

**1932 COLLECTION**.—12 Single named. Price, 20c each, 12 kinds \$2.00.

**Albion**.—Beautiful free flowering white.  
**Emanuel Arene**.—Rich, dark, crimson.  
**Jacquerie**.—Rich, vivid crimson; immense.  
**Maxine Kavolevski**.—Orange-scarlet.  
**Meteor**.—Brilliant crimson red flower.  
**Mildred Rival**.—Beautiful rose-pink.  
**Mrs. A. Blanc**.—Silvery salmon shaded peach.  
**Mrs. E. G. Hill**.—Large, salmon pink.  
**Paul Campbell**.—Large, dark scarlet.  
**Rosamine**.—Rose pink, flushed violet.  
**Romilda Vicini**.—Salmon-pink, feathered crimson.

**Van Beneden**.—Plum color; shaded scarlet.

**BEAUTY COLLECTION — 12 DOUBLE, NAMED**. Prices: 20c each, 12 kinds \$2.00.

**Alphonse Ricard**.—Rich, velvety scarlet.  
**Beaute Poitevine**.—Semi-double salmon.  
**Edmond Blanc**.—Rich purple-violet flowers.  
**Fiat**.—Rich salmon with flesh shadings.  
**Golden Dawn**.—Compact trusses of yellowish vermillion flowers. The nearest to yellow.  
**Jean Viaud**.—Soft rose color shaded to white.  
**Madame Landry**.—Apricot, shaded orange.  
**Madame Recamier**.—Ivory white flowers.  
**Mrs. Lawrence**.—Lovely satiny pink.  
**Marquise de Castellane**.—Rich sofferino-pink.  
**S. A. Nutt**.—Large flowers, rich, bright crimson.

**Thos. Meehan**.—Rich rose and orange.

### GERANIUMS—Select Plants.

By color only. Single or double for beds or borders, varieties in scarlet, salmon and pink. Large, full plants in bud and bloom for quick results. Must go by express.

From 3-inch pots, 20c, \$2.00 doz., and from 4-inch pots \$2.50 doz.; from 4 to 5-inch pots extra; in full bud and bloom, \$3.00 doz.

## Chrysanthemums

**JAPANESE COLLECTION**.—These make handsome giant flowers if you dis-bud freely. PRICE: 20c each, 12 sorts \$2.00.

**Betsy Ross**.—Giant. Pure glistening white.  
**Bronze Queen**.—Rich golden bronze.  
**Brilliant**.—Early crimson maroon.  
**Crystal Queen**.—Large incurved, pure white.  
**Chrysolora**.—Large yellow incurved flowers.  
**Chieftain**.—Beautiful incurving, silvery pink.  
**Early Frost**.—Pure snowy white flowers.  
**Golden Glory**.—Incurved, rich golden yellow.  
**Oconto**.—Very popular, pure white, early.  
**October Rose**.—Soft rose pink, of fine size.  
**Rose Chocard**.—Large incurved; rose pink.  
**W. H. Waite**.—Deep bronze, snaded gold.

**ENGLISH COLLECTION**.—These produce, during the fall, a profusion of medium sized flowers. Ideal for bouquets.

**PRICES: Your Choice, 20c, full collection of 12 sorts, \$2.00.**

**Camille Bernadine**.—Large, violet and carmine.  
**Chaldron**.—Ruby red, flushed with chammois.  
**Champagne**.—Rich red, tipped with gold.  
**Glory of Seven Oaks**.—Deep golden yellow.  
**Cranford White**.—Snowy white flowers.  
**Groacher's Crimson**.—Rich crimson; early.  
**Henry Vincent**.—Rose-pink flushed silver.  
**Le Pactole**.—Rich, yellow; great bloomer.  
**Mignon**.—Rosy pink, shaded silvery. Strong.  
**Queen of White**.—Excellent early white.  
**Red Warrior**.—Chestnut red flushed with gold.  
**Source de Or**.—Tawny red flushed with bronze.

**GARDEN BOOKS**.—Send for complete catalog of Garden Books—free.



## FLOWERING PLANTS (Continued)

### FLOWERING BEGONIAS

Very satisfactory class of plants for house culture obtainable. The waxy flowers produced in much profusion, together with their dark green handsome foliage, makes them most desirable. Price 20c each; full collection of 6 for \$1.00, postpaid.

**Alba Picta.**—Pure white flowers; bushy growth.

**Argentea Guttata.**—Handsome sort with pointed, wine-colored leaves. Pure white flowers.

**Chaterocher.**—Covered all the year with bright scarlet flowers; handsome green foliage.

**Compta.**—Long pointed, dark green leaves, silvered. Wax-like, white flowers.

**Gloire de Chatelaine.**—Glossy green ovate leaves, flowers pink, heavily bordered with rose pink.

**Marguerite.**—Foliage bronsy green. Large, pure white flowers in good size panicles.

**Sandersoni.**—Coral pink flowers in large clusters with deep sea-green foliage of waxy texture.

### CARNATION PLANTS

For beauty, fragrance and abundance of flowers, for its hardiness, easy culture and adaptability to outdoor or indoor cultivation, no plant excels the ever-blooming Carnation

#### WONDER COLLECTION CARNATIONS

Price 20c each; 10 for \$1.50, postpaid.

**Allee.**—Delicate flesh pink; very sweet.

**Aviator.**—Rich, bright scarlet.

**Belle Washburn.**—Deep brilliant scarlet.

**Bonora.**—White, flaked with scarlet.

**Enchantress.**—A superb flesh pink.

**Matchless.**—Pure white flushed pear!

**Mrs. C. W. Ward.**—Bright, glistening pink

**Pocahontas.**—Crimson maroon.

**Sand Enchantress.**—A beautiful white.

**White Wonder.**—Glistening pure white.

### CANNAS

Plant outside after danger of frosts is past, 18 inches apart, in rich, deeply dug, well-prepared bed (12 plants required for a 6-foot circular bed).

**PRICE.**—Your choice: Each 25c; doz. \$2.50, postpaid.

**AMBASSADOR.**—Immense crimson scarlet flowers; bronze foliage. The bronze-leaved President.

**AMERICAN BEAUTY.**—Deep rich carmine, green foliage.

**CITY OF PORTLAND.**—Large bright pink, green foliage.

**FLORENCE VAUGHAN.**—Golden yellow heavily dotted with scarlet.

**FIREBIRD.**—Large bright scarlet, green foliage.

**KING HUMBERT.**—Orange scarlet with bronze foliage. Best and most popular.

**ROSES GIGANTIA.**—Rich dark pink, very large spikes.

**THE PRESIDENT.**—Immense crimson flowers, green foliage.

**WYOMING.**—Orange colored flowers. Bronzy purple foliage.

**WINTZER'S COLOSSAL.**—Immense scarlet spikes, green foliage.

**YELLOW KING HUMBERT.**—Golden yellow, scarlet throat, massive green foliage; a giant.

### DICENTRA

(Bleeding Heart)

An old-fashioned favorite. Perfectly at home in any part of the hardy border, and especially valuable for planting in the shade. Choice roots 45c; large 60c.

### LANTANAS

Lantanas are showy bedding plants, flowering all through the season. They withstand the hottest sun and dry weather remarkably well. Especially useful for borders. Price 20c each. Set of 6 sorts \$1.00.

**Amell.**—Richly colored sort with umbels of little florets; orange-red and golden yellow.

**Courboille d'Argent.**—A free blooming pure white.

**Comtess Biencourt.**—Bright rose-pink and orange.

**Jaun de Or.**—Large sulphur-yellow and pink.

**Radiation.**—Brilliant red with golden yellow centers.

**Tethys.**—Sulphur-yellow with golden yellow throat.

### SINGLE PETUNIAS

Petunias are undoubtedly one of the most popular free blooming and desirable flowers for porch or window boxes, beds and borders. They produce a mass of flowers from June to frost.

**SINGLE SORTS.**—4 for 50c, \$1.50 doz.

**ELKS PRIDE.**—Rich dark purple single flowers in great profusion all summer.

**SCARLET BEAUTY.**—Bright scarlet, single-fringed flowers in great profusion.

**PRIDE OF PORTLAND.**—A beautiful single variety. Large fringed blooms of a soft bright pink

**GIANTS OF CALIFORNIA.**—Large ruffled and fringed flowers in great variety of colors and markings. All colors mixed.

### Special Offer

**ROSY MORN.**—Very popular, lovely pink, for beds, 4 for 25c; doz. 60c postpaid.

**CHOICE MIXED.**—Beautiful colors in single, plain and ruffled edges. 4 for 25c; doz. 60c.

### TUBEROUS ROOTED BEGONIAS

Excellent for pot culture or planting in lawn beds and borders, either in shade or sun.

**CULTURE.**—Plant a foot apart in beds or 1 bulb to a 4-inch pot inside, cover about 1 inch.

**DOUBLE FLOWERED.**—Separate colors in pink, scarlet, orange, yellow, red or bronze. Each 30c; doz. \$3.00.

**GIANT SINGLE FLOWERED** in separate colors of pink, scarlet, orange, yellow, red or bronze. Each 25c; doz. \$2.50.

**GIANT CRISTATA.**—Flowers with ruffled edges and crested petals. Mixed colors only, each 40c; doz. \$4.00.

**GIANT CRISPA.**—Beautiful large single flowers with fluted and ruffled edges. Mixed colors only, each 35c; doz. \$3.00.

### MONTBRETIAS

Beautiful—Graceful—Very Floriferous

Quite rare and not generally known. Allied to the Gladioli. Perfectly hardy here, but should be given protection or removed where winters are severe.

They are very beautiful, bright and showy summer-flowering bulbs. Delightful for cutting for vases. Height 18 to 24 inches.

We offer six of the finest varieties. Prices: Each, 15c; 3 for 40c; doz. \$1.25.

**California.**—Pure yellow. **Fire King.**—Scarlet, red. **Germania.**—Red and yellow. **Golden West.**—Golden-yellow. **Lord Nelson.**—Deep orange scarlet. **Talisman.**—Rich scarlet.

**SUPERB MIXED.**—12 named kinds mixed. Each, 10c; 3 for 25c; doz., 75c.

**POTTED PLANTS.**—After danger of frost, we have at our store large, potted Cannas that will give quick results. By express (not mailable), each 30c; doz. \$3.00.

GLADIOLUS BULBS

Prize-Winners—Rare, Rich and Wonderful

PRICES.—Unless otherwise priced, your choice, each 5c, doz. 50c; 100 \$3.00 postpaid.

**ALICE TIPLADY.**—Very popular and a brilliant orange-saffron.

**BYRON L. SMITH.**—Refined lavender-pink on white ground; extra fine as a cut flower.

**CRIMSON GLOW.**—Flowers are large, wide open, fiery crimson; very bright and showy, and one of the best.

**DR. F. E. BENNETT.**—Peach red, overlaid with flame scarlet making a fiery red; giant, but graceful flowers. Each 7c; doz. 75c.

**DOROTHY WHEELER.**—A beautiful flower of a delicate rose pink. The flowers are well placed on slender, graceful stems.

**GOLDEN MEASURE.**—Immense tall spikes of golden yellow flowers. King of the yellows. Each 7c; doz. 75c.

**GIANT NYMPH.**—Beautiful rose pink which is very popular. Fine cut flower and excellent placement.

**GLORIANA.**—A glowing salmon-orange color; throat yellow.

**HALLEY.**—Salmon-pink, yellow throat.

**LE MARSHAL FOCH.**—A delicate cameo pink. Immense flowers and many open at once.

**LOS ANGELES.**—Stems tall and graceful. Flowers of a beautiful, exquisite clear, bright pink.

**MRS. FRANK PENDLETON.**—Flowers large flesh pink with a dash of crimson on the lower petals. Bright and attractive.

**MRS. H. E. BOTHINS.**—Light, geranium-pink, heavily ruffled, scarlet center.

**MRS. LEON DOUGLAS.**—Handsome, stately variety. Rich salmon-pink overlaid and beautifully penciled brilliant flame-scarlet. Each 7c; doz. 75c.

**MRS. F. C. PETERS.**—Large flowers; splendid form, vigorous grower. Beautiful lavender blossoms, with a soft crimson blotch. Each 7c; doz. 75c.

**PRINCELY.**—Very choice white, of elegant form and style.

**PURPLE GLORY.**—Tall spikes of magnificent giant flowers, with beautifully ruffled petals. Color, a velvety deep, rich maroon, almost purple. Each 10c; doz. 85c.

**PYTHIA.**—Immense wide open flowers perfect in form, on tall spikes. Bright red, suffused carmine. Extremely showy. Each 10c; doz. 85c; 100 \$6.00.

**RICHARD DIENER.**—Lovely salmon-pink. The most brilliant, glistening pink to date.

**SCHWABEN.**—Magnificent, large rich yellow. Throat marked with a rich carmine blotch. Very popular.

**SWEET LAVENDER.**—A rare, rich color; a combination of light violet and pink, suffused yellow in the throat; garnet blotch.

**ROUTLEDGE GOLD MEDAL MIXTURE.**—An ideal mixture composed of the best large flowering sorts. Doz. 50c; 100 \$3.00.

**SUPERB CHOICE MIXTURE.**—A wonderful mixture. Unequaled for the price. NO. 1 FIRST SIZE, doz. 5c; 100 \$2.50. SECOND SIZE BULBS, full blooming age, doz. 25c; 100 \$2.00.

CHOICE OREGON-GROWN ROSE BUSHES

**BY EXPRESS.**—We ship Large No. 1 2-year-old Bushes by express, unless otherwise instructed.

**BY PARCEL POST.**—By request we will wrap, pack and mail Large No. 1 Rose Bushes for 10c each or 75c doz. extra. **DON'T FORGET THE EXTRA POSTAGE AND PACKING WHEN WANTED BY MAIL.**

Each

Baby Cecil Brunner.—Bright pink, exquisite ..... \$ .60

Baby Doll.—Silvery pink and orange..... .75

Baby Edith Cavill.—Scarlet-red ..... .60

Baby Perle d'Or.—Light orange ..... .60

Baby Salmon.—Golden salmon, lovely .... .75

Betty Uprichard.—(New), coppery red..... .75

Captain Roland Clerk.—(New), scarlet.... 1.25

Cheerful.—Orange flame, beautiful ..... .75

Columbia.—Peach blow pink ..... .75

Constance.—Orange, long buds ..... .75

Crimson Emblem.—Crimson, large ..... .75

Duchess of Athol.—(New), Golden orange 1.25

E. G. Hill.—(New), scarlet orange base.... 1.25

Etoile de Hollande.—(New), best red..... 1.00

Frau Karl Drushki.—Snow white..... .65

General McArthur.—Bright scarlet ..... .75

Golden Ophelia.—Yellow, lovely buds..... .90

Gorgeous.—Deep orange-yellow ..... .75

Hadley.—Dark velvety-crimson ..... .75

Hoosier Beauty.—Deep crimson ..... .75

H. V. Machin.—Scarlet-crimson ..... .75

John Russell.—(New), velvety-crimson.... 1.00

Joseph Hill.—Salmon-pink, handsome .... .75

Lady Hillingdon.—Orange-yellow ..... .75

Lady Roberts.—Reddish-apricot ..... .75

Lord Charlemont.—Clear-crimson ..... 1.25

Los Angeles.—Flame-pink, long buds..... .75

Mme. Butterfly.—Gold and apricot pink... .75

Mme. Caroline Testout.—Satin pink ..... .60

Mme. Edouard Merriot.—Coral-red ..... .75

Mme. Jules Grolez.—Silvery-pink ..... .75

Mme. Melaine Soupert.—Salmon-yellow.... .90

Marcia Stanhope.—(New), snow-white.... 1.00

Margaret McGrady.—(New), Oriental red.. 1.25

Mrs. Charles Russell.—Rosy-pink ..... .75

Mrs. F. W. Vanderbilt.—Orange-red..... .75

Norman Lambert.—(New), orange-scarlet.. 1.00

Ophelia.—Light salmon to pink..... .75

Princess Marie Jose.—(New), orange..... 1.25

Queen of Fragrance.—Shell-pink ..... .90

Rev. Page Roberts.—Rich yellow ..... .90

Shot Silk.—Coppery-rose ..... .90

Souv. De Claudius Pernet.—Long yellow buds ..... .75

Sunburst.—Yellow flushed orange..... .75

Talisman.—(New), bright apricot..... 1.25

**CLIMBING ROSES**

American Pillar.—Rosy-pink ..... \$ .75

Dorothy Perkins.—Pink Rambler ..... .65

Climbing Hoosier Beauty.—Deep crimson. .90

Climbing General McArthur.—Beautiful red .90

Climbing Mme. C. Testout.—Rosy-pink.... .75

Pauls Scarlet.—Vivid-scarlet ..... .75

Emily Grey.—Lovely yellow, long buds.... .75

Silvermoon.—Pure-white ..... .75

**GLADIOLA SPECIAL**  
Medium size (about 1 inch) bulbs that will give you nice flowers this summer. Price, 25 for 50c; 100 for \$1.50, postpaid.

**ROSES PREPAID.**—We can give you Medium Size bushes prepaid at the above list if you wish.

**BE SUCCESSFUL—** Prune your rose bushes when planting—don't leave over 8 to 12 inches of top growth. You'll get better results.



# FRUIT TREES, BUSHES, VINES AND PLANTS

**HOW WE SHIP.**—Unless otherwise instructed, we pack safely and ship by **EXPRESS OR FREIGHT**, whichever is cheapest, and the buyer pays the charges.

## STRAWBERRY PLANTS

**STRAWBERRY PLANTS.**—Selected Strains, Inspected, Certified.

**NEW OREGON.**—The best and most popular and profitable strawberries. It always looks bright, fresh and attractive. The berry is very large, firm and handsome; rich, dark red. The flavor is rich, sweet and delicious. For table use and canning it cannot be surpassed. Early and very productive.

**MARSHALL.**—A large, rich-red variety that never fails to attract the eye and to satisfy the taste. It is deliciously sweet, generously prolific, and is in every way an ideal variety. Excellent for table and canning.

**PRICE LIST.**—Your choice of above varieties, **PREPAID**, doz. 30c; 50 plants 85c; 100, \$1.50. **NOT PREPAID**, doz. 25c; 50 plants 60c; 100, \$1.00; 1,000, \$7.50. Special low prices in large lots this year.

**MASTODON EVERBEARING.**—A recent introduction that has created nation-wide interest. Mastodon is very prolific and the berries are extra large, choice, good color and delicious flavor. It fruits under all conditions and will give you berries in abundance from early spring until late fall. Mastodon is the last word in Everbearers and a moneymaker.

**PRICES.**—Prepaid, doz. 60c; 25, \$1.00; 100, \$2.75. Not prepaid, 100, \$2.00; 1,000, \$17.50.

**PROGRESSIVE EVERBEARING STRAWBERRIES.**—Popular strawberries on account of their long fruiting season. Berries medium large, rather bright red in color and of excellent quality. Extremely hardy, bearing until the ground freezes.

**PRICES.**—Doz. 50c; 25 plants 75c; 100, \$2.00, prepaid. Not prepaid, doz., 35c; \$1.75 per 100; \$15.00 per 1,000.

## FRUIT TREES

### APPLES

Summer, Autumn or Winter Varieties

	Each	Per 10
One year, 3 to 4 ft.....	\$.50	\$4.50
One year, 4 to 6 ft.....	.85	7.50
Two year .....	1.00	8.50
Three year, select .....	2.00	

**CRAB APPLES.**—Same price as above.

### PEARS AND CHERRIES

Your selection of any well known sorts.

	Each	Per 10
One year, 3 to 4 ft.....	\$.75	\$ 6.00
One year, 4 to 6 ft.....	1.00	8.50
Two year .....	1.25	10.00
Three year, select .....	2.00	

### PRUNES AND PLUMS

Your selection of any well known sorts.

	Each	Per 10
One year, 3 to 4 ft.....	\$.65	\$ 5.00
One year, 4 to 6 ft.....	.75	6.50
Two year, selected .....	1.00	7.50

### PEACHES AND APRICOTS

	Each	Per 10
First grade, 1 year .....	\$.85	\$7.00
1 year, 3 to 4 ft.....	.75	6.00

## NUT TREES

**ALMONDS.**—IXL, Nonpareil or Ne Plus Ultra. 1 year, 3 to 3½ ft., each 75c; 10 for \$6.00; 100 for \$50.00.

**FILBERTS.**—Popular and most profitable varieties. Prices: Each, 3 to 4 ft., 75c; 10 for \$6.50; 100 for \$45.00.

**WALNUTS.**—English.—The Franquette grafted on California black walnut roots. Prices: 3 to 6 ft. \$1.75; 6 to 7 ft. \$2.25; 8 ft. select, \$2.75; 9 to 10 ft., extra strong and select, \$3.50. Write for quantity price.

## CURRENTS

**PERFECTION.**—Large red **CHERRY**, **FAY'S PROLIFIC** and **VICTORIA** late, all red varieties and **WHITE GRAPE**, best white sort. Your choice 2-year transplants, 25c each; selected 2-year, 40c each; 10 times each price is doz. price. **BY MAIL** add 10c each or 60c doz. extra for postage. Low prices per 100.

## GOOSEBERRIES

Same prices as **CURRENTS** above and same postage if wanted by mail. **OREGON CHAMPION** is the best market and home kind.

## LOGAN BERRIES, LAWTON OR HIMALAYA BLACK BERRIES DEWBERRIES

Strong plants, 25c each; \$2.50 doz. Postage 10c each or 50c doz. extra. Low prices per 100 or 1,000.

## RASPBERRIES

Your choice **BLACK CAPS**, **PLUM FARMER**, **GREGG** or **RED CUTHBERT** or **MARLBORO**. Strong plants, 15c each; \$1.50 doz. Postage 7c each; 50c doz. extra. Write for low prices per 100 or 1,000.

## GRAPES

**CAMPBELL'S EARLY**, **CONCORD** AND **WORDEN**, black sorts, or **DELAWARE** AND **EATON**, red sorts, or **NIAGARA**, white. Your choice. Prices, 2-year 25c; 3-yr. 40c; selected extra strong, 50c each; 10 times the each price is dozen price. By mail, add 10c each, 50c per doz., for postage. Write for low 100 or 1,000 prices.

## CLIMBING VINES

**POLYGONUM AUBERTI** (Silver Lace Vine).—One of the most desirable flowering climbers we have ever grown. Of strong, vigorous, rapid growth and producing throughout the summer and fall long graceful sprays of small, white, delicate flowers. Clean, neat foliage. Perfectly hardy. Trim off surplus growth each fall. Always free of insects. Pot plants 50c; Strong Field Grown 85c.

**CLEMATIS.**—**PANICULATA** (Sweet-Scented Japan Clematis).—Of very rapid growth, with clean, glossy-green foliage. Pure white flowers in profusion in September and October. Each, 1-year roots 35c; 2-year 50c.

**BOSTON IVY.**—The popular climbing plant for covering brick, stone or cement walls, etc. Foliage rich olive green, turning to autumn tints in the fall. Strong plants 40c; extra strong 50c.

**CINNAMON VINE.**—A beautiful vine of rapid growth; pretty white flowers of cinnamon-like fragrance. Perfectly hardy. Vines die in the fall but come up rapidly early each spring. Small roots 20c; 3 for 50c; Large 25c; 3 for 65c.

**HONEYSUCKLE.**—A beautiful climber, rapid grower and very desirable. Flowers very fragrant. Your choice. Each, small 75c; large \$1.00.

**HALLEANA.**—Very popular; almost evergreen; flowers white, passing to yellow.

**BELGICA** (Monthly Fragrant).—Flowers are large; color red and yellow; blooms all summer.

**CELASTRUS.**—**SCANDENS** (Bittersweet).—Glossy dark green foliage on long slender growths, covered in June with bright yellow flowers, followed by bright orange colored fruit which remains until winter sets in. Grows in either sun or shade. Perfectly hardy. Each 75c.

**WISTERIA.**—A very rapid hardy climber with lovely long clusters of flowers. **BLUE** or **WHITE**. Each \$1.00 to \$1.50.

**OUR SHIPPING SEASON** for the above is from November 1 to April 1. Some seasons May 1, although May is too late for best results. We advise late fall, open winter or very early spring planting.

# SPRAYS, INSECT AND RODENT KILLERS

DESCRIPTIVE CATALOG, LEAFLETS, BOOKLETS, etc., on many of the following Sprays and Insecticides free on request. Tell us your trouble and we will gladly advise you.

NOTE.—Full directions on each container.

## SPRAYS IN ALPHABETICAL ORDER

**AFI-TOX** contains a soap "spreader" which causes Afi-Tox to spread evenly when properly sprayed.

Afi-Tox will control and destroy Green or Black Aphids, Black or Green Fly, Leaf Hopper, Red Spider, Mites and Lice, Blight, Red Bud, Squash Bugs, Thrips, etc. Use 3 tablespoonfuls Afi-Tox to a quart of water and cover leaves and plant thoroughly with a fine spray. Price,  $\frac{1}{2}$  pint 50c.

**ANT KILLER.—ANTROL.**—Is the most effective eliminator of Argentine and honey dew loving ants known. Antrol is harmless to children or pets, yet eliminates the entire ant colony—quickly and surely. Prices: Cottage set of 4 storm-proof containers and 4 oz. of Antrol Syrup, 85c. Syrup only, 4 oz. 35c; pints 75c; qt. \$1.25. Extra containers 15c each.

**ARSENATE OF LEAD (Powder).**—For eating and leaf-chewing insects, codling moth on fruit. Prices,  $\frac{1}{2}$  lb. can 25c; 1 lb. 45c; 4 lbs. \$1.25. Quantity price on request.

**BLACK LEAF 40.**—A Nicotine spray for red bug, green and woolly aphids, thrip, plant lice, codling moth, pear, psylla and all sucking insects. Price, 1 oz. bottle 35c, with 1 lb. Fish Oil Soap, makes 5 gallons spray; 5 oz. can \$1.00; 1 lb. \$2.50; 2 lbs. \$3.75; 5 lbs. \$7.00; 10 lbs. \$11.85.

**FUNGI BORDEAUX (Powdered).**—For blight, mildew, rust and fungus diseases. Apply dry as a powder or 1 lb. to 5 gal. of water. Prices, 1 lb. 40c; 4 lbs. \$1.25.

**BUIACH INSECT POWDER.**—Kills flies, fleas, bedbugs, etc. Small carton 25c; 3 oz. can 40c; 6 oz. 75c; 12 oz. \$1.35. Postage extra.

**CARCO VEGETABLE SPRAY.**—For destroying and preventing maggots, grubs and worms that infest vegetable roots. "Carco" is highly concentrated; use 1 part "Carco" to 100 to 125 parts of water. Descriptive pamphlet and testimonials on request. Prices,  $\frac{1}{2}$  pint 50c; pint 75c; quart \$1.25; gal. \$3.75. By mail,  $\frac{1}{2}$  pint and pint 10c extra.

**EVERGREEN.**—Kills Beetles, Green Worms, Slugs, Aphids, Leaf Hoppers, Spittlebugs and most plant pests. Use it freely on tender plants and flowers—it can't burn or otherwise injure them. Non-poisonous to man, livestock, birds and pets. Easy to Use.—Just mix it with water and stir. No need for constant agitating.

Prices, 1 oz. bottle 35c; 6 oz. bottle \$1.00; pint \$2.00; quart \$3.50; gal. \$11.50. Small bottle available. Postage extra.

**FISH OIL SOAP.**—Prices, Small cake 10c; lb. 25c; 10 lbs. \$2.00; 100 lbs. write.

**FLY-FOIL** kills Flies, Moths, Mosquitoes, Roaches, Bedbugs, Ants, Fleas, Lice and Spiders. Prices, 8 oz. bottle 30c; 40c postpaid. Pint 50c, or 60c postpaid.

**FLY-TOX.**—Kills Flies, Moths, Mosquitoes. Very effective, non-poisonous to human or animal life. Will not stain walls, woodwork or clothes; odor is pleasant and quickly passes away.

Prices,  $\frac{1}{2}$  pint 50c, or 60c postpaid; 1 pint 75c, or postpaid 90c; 1 quart \$1.25; 1 gal. \$4.00.

**GREEN-TOX.**—Kills all sucking and leaf-eating insects. A non-poisonous spray for vegetables, flowers or fruit. 1 oz. to 4 gals. water;  $\frac{1}{2}$  to 2 teaspoonfuls to a gal. Prices, 1 oz. 35c; 6 oz. \$1.00; pint \$2.00, postpaid; quart, \$3.50; gal. \$3.00.

**GRAFTING WAX.**— $\frac{1}{4}$  lb. 25c;  $\frac{1}{2}$  lb. 35c; 1 lb. 60c. Add postage if wanted by mail.

**GOPHER SCENT.**—For gophers, squirrels, etc.; it will give results or you can have your money back; the scent is irresistible. Prices, 8 oz. can 35c; 12 oz. 50c; 29 oz. \$1.00.

**GAS BALL RODENT KILLER.**—To eradicate ground squirrels, prairie dogs, rabbits and pocket gophers. When these gas balls are lighted and rolled down into the burrow they produce a deadly, poisonous gas that carries death to any living rodent in the burrow. Use one or two balls per burrow. Safe, sure and inexpensive. Full directions with each order. Price, doz. 40c, postpaid 50c; 3 doz. \$1.00, or \$1.25 postpaid. Carton of 125 balls \$3.75. Weight 14 lbs. Postage extra.

**LIME AND SULPHUR SPRAYS.**—For scale, insects of all kinds, fungus, scab and blister, etc.

**LIME AND SULPHUR SOLUTION.**—(Liquid 1 to 9 parts of water.) Prices, Quart 30c; gal. 75c; 5 gals. \$2.25; 50 gals. write.

**LIME AND SULPHUR.**—Dry Mixed.—12 to 15 pounds to 50 gallons water for dormant spray. One-quarter strength for summer spray. Prices, 1 lb. 30c; 5 lbs. \$1.35; 10 lbs. \$2.25; 25 lbs. \$4.25; 100 lbs. write.

**ALL-IN-ONE SPRAY DUSTS.**—Get a good powder gun and with All in One Dust you can combat most all garden pests. "All-In-One" Combination Dust. To prevent disease and attacks of insects. Start early and use it all season. Lb. can 50c; 5 lbs. \$2.00; 10 lbs. \$3.50.

**RAT POISONS.**—We have tried out dozens of kinds and recommend the following as being the best:

**RAT SCENT (Poison Grain).**—All ready to use. Dogs and cats won't eat it, but rats and mice will take it in preference to any other food. Price, 8 oz. can 35c.

**TOPZOL-NEW.**—Kills rats and mice but is harmless to man and domestic animals. Can be used with perfect safety. Price, 2 oz. cans 50c, or 60c postpaid.

**ROACH POWDER, ANT POWDER or BED-BUG POWDER.**—Put up in 25c and 50c cans. Postage 10c extra.

**SNAROL.**—A meal that quickly destroys cutworms, sow bugs, earwigs, grasshoppers, snails and slugs.

Merely sprinkle Snarol around and under planted vegetation. Insure them against destruction. Rain does not destroy its value.

The slimey slug is very destructive. It feeds by night and hides during the day. If you have a garden or flowers you need Snarol.

Prices,  $\frac{1}{2}$  lb. carton 35c; 4 lbs. 75c; 15 lbs. \$2.50, postage extra.

**SULPHUR POWDER (Flour).**—Lb. 10c; 3 lbs. 20c; 10 lbs. 75c; 100 lbs. write.

**TREE TANGLEFOOT.**—A sticky compound to band trees or large plants to prevent crawling insects from going up the stalks or trunks. Prices, 1 lb. can 60c; 5 lbs. \$2.75; 10 lbs. \$5.25. Postage extra.

**VOLCK.**—It leaves the foliage bright and glossy. Being non-poisonous to people and animals, it is a very pleasant material to use. Use VOLCK for Cyclamen Mite, White Fly, Aphids (Green Fly), Thrips, Mealy Bugs, Red Spider, Scales, Midge, Mildews and Rusts. Complete instructions with each can.

Prices,  $\frac{1}{2}$  pint 35c; pint 60c; quart 85c; gallon \$2.25. Small cans will be mailed if you add postage.

**WEED KILLER.**—(Hood River.)—Use 1 part Weed Killer to 40 parts of water. Prices: Quart 65c; gal. \$1.85; 5 gals. \$8.00. Write for barrel price

**SPRAY EVERYTHING.**—Adequate crop protection is the latest step taken by scientific agriculture—"SAVE BY PROTECTION."



## SPRAY PUMPS—POWDER GUNS

Parcel Post weight given so you can add postage if wanted by mail.

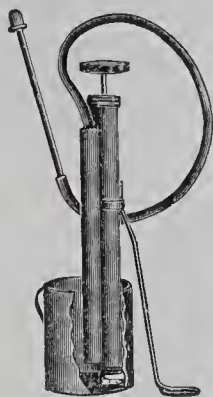
**THE BEST**—We have tested and tried many different kinds and can recommend the following as the best in style, material and workmanship.



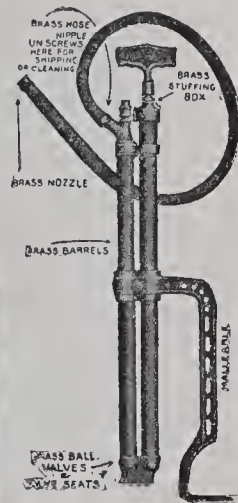
Auto Spray  
No. 50



No. 5 Auto



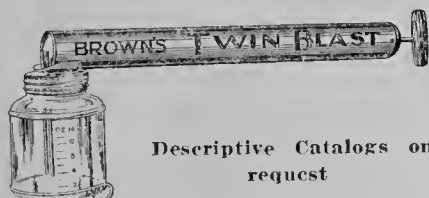
No. 28 Whirlwind  
Whitewasher



O. K. Bucket Pump

			Capacity	Wgt. Pkd.	Price
Auto Spray	No. 50—D	Galvanized tank	2½ gal.	8 lbs.	\$6.00
Auto Spray	No. 50—B	Brass tank	2½ gal.	8 lbs.	8.50
Auto Spray	No. 9—D	Galvanized tank	3½ gal.	11 lbs.	6.75
Auto Spray	No. 9—B	Brass tank	3½ gal.	11 lbs.	9.75
Whitewash Pump	No. 28	Tin, Brass Plates		5 lbs.	2.50
O. K. Bucket Pump	All parts brass. Continuous spray			8 lbs.	4.50
Auto Spray No. 5	All brass Knapsacks extra			3½ lbs.	5.00
Utilex Bottle Sprayer	Brass pump. Plant or Bird Sprayer			1½ lbs.	1.00

Send for complete catalog if interested



Descriptive Catalogs on  
request

### TWIN BLAST GLASS BOWL

Extra long air chamber, special plunger, two cyphen tubes, drip guard, and throws a strong, fine, mist-like spray in any direction; any Mason jar fits it Each, 75c. (Mailing wgt., 2 lbs.)

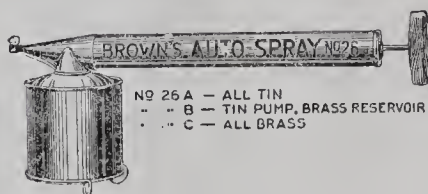


**DUSTER BROWN No. 1**—Best low priced dust gun. Price 65c. P. P. wgt ½ lb. Add postage if wanted by mail.



### BROWN'S CRYSTAL DUSTER

New and right up-to-date and double the capacity of the above. This dust blower has the glass jar feature showing the agitation and amount of dust in the container. Large opening, easy filling. The long extension and adjustable nozzle. Capacity, 1 pt. Price, \$1.35. (P. P. wgt., 2 lbs.)

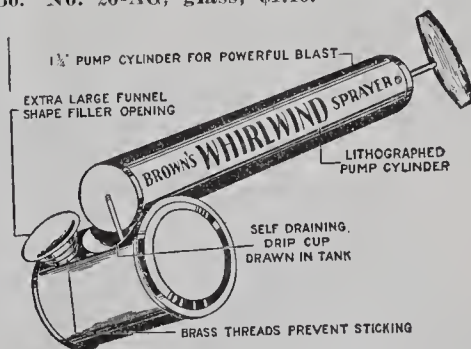


NO 26 A - ALL TIN  
" " B - TIN PUMP, BRASS RESERVOIR  
" " C - ALL BRASS

### NO. 26, CONTINUOUS SPRAYER.

We recommend this sprayer for use with all insecticides. Double acting and continuous spray, requires only half the effort to do a thorough job. Parcel Post weight 2 lbs.

**PRICES.**—No. 26-A, tin, 90c. No. 26-B, tin pump, brass tank, \$1.15. No. 26-C, all brass, \$1.50. No. 26-AG, glass, \$1.40.



### NEW WHIRLWIND SPRAYER

A strong, well balanced sprayer of good capacity and well constructed of high grade material. Far superior to most makes in this style. Capacity 1 quart. (Mailing weight 2 lbs.) 50c.

**LITTLE GEM**—Smaller capacity, same style. (Wgt. 1½ lbs.) Price 40c.

**REMEMBER**—We have GARDEN HOSE, NOZZLES, SPRINKLERS, ETC.

# ROUTLEDGE "H. Q." DOG AND PUPPY REMEDIES

**H. Q. MANGE REMEDY.**—Our Mange Remedy consists of a Germicidal Ointment, a Neutralizing Healing Ointment and a Sanitary Wash; guaranteed cure.

Price, complete with full directions, \$1.00, or postpaid \$1.15.

**H. Q. FLEA KNEX SHAMPOO (For Dogs and Puppies).**—A disinfectant soap emulsion that cleans the skin, destroys dog odors and leaves the fur soft and fluffy.

Price, small size bottle 40c; large bottle 75c, postpaid.

**H. Q. IODIZED COD LIVER OIL.**—For sick and convalescent animals, old or young. Useful in rundown condition, lusterless hair, lack of health and strength, etc.

Price, 6 oz. bottle 50c; postpaid 60c; 16 oz. \$1.00; 32 oz. \$1.75; gal. \$6.00. Directions on each label.

**H. Q. CANINE VEGETABLE OIL.**—For young or old dogs or cats, use according to directions. For constipation, loss of appetite, internal hair balls and always before and after worming. A high grade vegetable oil that does not, like castor oil, have a bad after effect. Stimulates normal bowel movement.

Price, 3 oz. bottle 25c; postpaid 35c. Directions on label.

**H. Q. DOG WASH.**—For Toy Dogs and Puppies.—An excellent disinfectant and a germ destroyer. Kills all dog odor and fleas, improves the skin and coat. 1 tablespoonful to a gallon of water. Dog Wash Price: 3 oz. bottle 25c; postpaid 35c; 6 oz. 40c; postpaid 50c; pint 75c.

**H. Q. PUPPY WASH.**—Same prices as above.

**H. K. DOG SOAP.**—This soap is prepared from the formula of a celebrated physician and combines all healing and purifying ingredients possible in a soap. Price, per cake 25c, postpaid.

## DR. HOWE'S DOG MEDICINES

These remedies have been used successfully since 1887. They are put up by our own veterinary, Dr. M. Howes, Jr., graduate of Cornell University. He is recognized as the best veterinary in the Northwest. Consultation free. Write or call. Postpaid

No. 3—For cold and distemper .....	\$1.00
No. 5—Bowel Trouble—Constipation .....	1.00
No. 707—Chronic Skin Diseases .....	1.00
No. 9—Blood Purifier .....	1.00
Antiseptic Eye Medicine .....	.50
Ear and Canker Remedy .....	.50
Etherized Oil—Sore Throat, Pneumonia, Bronchitis, etc. ....	1.00
Goiter Remedy .....	1.00
White Liniment—For sprains, etc. ....	1.00
Worm Medicine .....	.50
Mange, Eczema, Ringworm .....	.50
Rickerts Remedy .....	1.00

**FLEA POWDERS FOR CATS-DOGS.**—Most popular sellers. (Adds 5c extra by mail.) Spratts 30c; Q.-W., large can, \$1.00; Clayton's Kildlea 35c; Sargents Skip Flea 30c; Pulvex odorless, white and non-poisonous, most popular for cats, 50c, or 60c postpaid.

## DOG AND CAT FOODS

We stock and sell all the leading **CANNED GOODS**—Ken-L-Ration, Kit-E-Ration, Dr. Ross' Cat & Dog Food, Vitamont and Callo. 1 lb. cans 10c, except Kit-E-Ration; 2 for 25c; postage extra; 4 doz. to a case. Write.

## DOG BISCUIT

We stock and sell **SPRATTS** world famous Biscuit and Ovals, 15c lb. Fibo, etc., 20c. **CHAMPION** Animal Food Co.'s high quality baked dog biscuits, 15c lb. **CRISPETTS** new Oregon product for Dogs and Cats, 15c lb., 2 for 25c. Add postage write for quantity prices.

## ILAK SHAMPOO

### FOR DOGS, PUPPIES AND CATS

If you bathe your dog with ordinary soap or any preparation that cuts the oil, you leave him unprotected with a dry, irritated skin by taking away all the natural oil, which subjects him to colds and skin diseases.

**ILAK SHAMPOO** removes dirt and germs and odor from your dog's fur and skin and at the same time replaces the natural oil necessary to retain a healthy skin and lustrous coat.

**ILAK SHAMPOO.**—The fluffy, glossy coat producer and reconditioner, is non-poisonous, non-irritating, absolutely harmless and a preventive against flies, fleas, lice, mites, skin diseases and colds. Perfectly harmless to the eyes and stomach of the smallest puppy or kitten. Thoroughly cleanses the skin and coat and brings out its natural life and beauty.

It cannot be used too often, but once every few weeks is sufficient to prevent fleas, lice, mites, colds and skin diseases.

**DIRECTIONS.**—Simply wet the dog with warm water, apply **Ilak Shampoo**, massage briskly. Then rub lather off with hands, rinse the dog with warm water, and dry with coarse towel.

Prices, 6 oz. bottle 50c; 14 oz. \$1.00; 32 oz. \$1.65. Postage extra.

## RABBIT SUPPLIES

### PET LICKS—RABBIT SALT

Prices: 2 for 15c; screw-top carton of 10 cakes (wgt. 2 lbs.), 50c; add postage if wanted by mail.

**PEDIGREE RABBIT BLANKS.**—Large size on bond paper. 10c each, 75c doz.

**RABBIT REMEDIES.**—Ear Canker, Slobber Remedy, Eye Remedy, Sore Hock and Vent Ointment, all 60c each. Diarrhoca 75c. Cold Remedy, small 60c; Large \$1.10. Klo-Fen for Colds, etc., 4 oz. bottle 75c; Pint \$2.00.; Syringe 50c extra.

### RABBIT AND CAVY DISHES

No. 2—Earthenware, heavily glazed; the incurving top rim prevents the nosing out of feed: water cannot spill out. Small size, weight 2 lbs.; large, 3 lbs.

Prices: 6-in., 15c ea.; \$1.50 doz.; 8-in., 20c ea.; doz. \$2.25. Not mailable.

NOTE.—Packing for Shipment 50c doz. extra.

## DOG AND CAT SUPPLIES.

We carry in stock the largest and best assortment of Dog Collars, Chains, Leads, Muzzles, Sweaters, Raincoats, Blankets, Brushes, Combs, etc.

We also stock a complete line of Spratts, Q. W., Claytons, and Sargents Dog and Cat Remedies, Medicines, etc.

Our 1931 Catalog, if you have it, will give prices, or by request we will mail **DESCRIPTIVE BOOKLETS** of the above preparations.

Tell us your 'Pet' troubles. We can advise and help you.





## GOLDFISH, GLOBES, FOOD, ETC.

We are the largest retail and wholesale dealers in Fancy Gold Fish in the Northwest, often having a thousand or more on display in our large aquarium at our stores.



Chinese Telescope



American Gold Fish



Japanese Fan-Tail

**CARE OF GOLD FISH.**—Very simple and little trouble. The water in the aquaria must be changed from one to six times a week, depending on the size of the globe, number of fish and the temperature of the room. When fish come to surface and gasp for air they should be given fresh water. Keep the aquariums out of hot sunlight and in a cool place.

**NOTE.**—ALL SHIPMENTS (outside of the city) must go by express. A charge of 25c is made to cover cost of Shipping Bucket, holding from two to eight fish. Gold Fish can be shipped safely overland hundreds of miles. **THEY CAN NOT BE SENT BY MAIL.**

### PRICE LIST OF FISH

**AMERICAN GOLD FISH.**—Very hardy and lively. Each, very small, 25c; small, 35c; medium, 50c; medium large, 60c; large, 3 to 4 inches, \$1.75; extra large breeders, \$2.00 to \$3.00; fancy tri-colored, small to medium, 50c to \$1.50 and up.

**JAPANESE GOLD FISH—FAN-TAILS.**—These have spreading tails of a delicate lace-like appearance, very showy and attractive. Price, small, 35c; medium, 50c; large, 75c to \$1.00, and up to \$3.00. Tri-colored, golden-red, pearly-white, and black, showing two or all three colors, 75c to \$1.50 each.

**COMET.**—Similar to the American, but the tail is very long, graceful and delicate. Very active. Price, each, 35c, 50c, 60c, 75c, \$1.00 and \$1.50.

**CHINESE TELESCOPE.**—Curious and attractive on account of the large elongated eyes, having the appearance of a telescope. Flowing double tails. Very rare. Price, each, 75c to \$1.00.

### AQUARIA PLANT OR FISH MOSS

This water plant improves the appearance of the aquaria or globe and helps purify the water, also keeps the water fresh longer. Price per bunch, 25c, postpaid.

### AQUARIUM SCAVENGERS

They consume the decaying matter and help keep the aquariums and water clear and clean.

**TADPOLES.**—2 to 3 inches, 15c.

**HARD SHELL ROUND SNAILS.**—15c to 35c.

**BABY TURTLES.**—About 2 inches across, in season June to December. Price, 50c or postpaid 60c.



Round Globe

### AQUARIUM STANDS AND GLOBES

We have in stock fancy 4-foot wrought iron stands with large globes, range in price from \$3.50 to \$20.00 each.

### AQUARIUM CASTLES, ETC.

Castles, from 35c to 75c and up.  
Pearl Chips and Shells, 35c lb.  
Fishing Boy, complete outfit, \$1.25.  
Mermaids, 50c, 75c, \$1.00 each.



Squat Globe

### GOLD FISH FOODS, ETC.

**FEEDING.**—The only safe diet is our prepared Fish Foods, fed daily and only what they will eat up quickly. Don't overfeed.

**H. Q. NATURAL FISH FOOD.**—Our own make. A combination of foods properly blended to assure the healthy condition of the fish. It is rich in body-building elements, which must be supplied to the fish. Per box 15c, postpaid.

**GROUND SHRIMP.**—Prepared to keep; excellent food for fish and turtles. Price 25c.

**ANT EGGS.**—For fish and birds. 25c.

**ZEKE.**—Dried tropical flies, for fish. Pkg. 20c.

**TU JOE FISH FUNGUS REMEDY.**—25c.

**TU JOE FISH TONIC.**—30c.

**SPRATT'S AQUARIUM FISH FOOD.**—15c.

**FISH DIP NETS.**—Long handles. Small, 25c; medium, 50c; large, 6-inch, 75c.

**FUNGERINE.**—Curative for the white fungus on aquarium fish. Price, 35c bottle.

By mail, add 5c extra to above prices if wanted by mail.

### BOOKS ON FISH, ETC.

**BOOK.**—"The Aquaria and Care of Fish"; paper cover, 35c, postpaid.

**THE MODERN ACQUARIUM.**—A new book by Wm. J. Innes, 62 pages. Nicely illustrated and up to date. Price \$1.10, postpaid.

**WATER GARDENS AND GOLD FISH.**—112 pages, cloth cover. Covers all subjects. Price \$1.65.

### FISH GLOBES

Cannot be Mailed.

**ROUND GLOBES.**—Clear, white, heavy glass, popular sellers. Each, 1 qt., 35c; ½ gal. 50c; 1 gal. 85c; 2 gal. \$1.50; 3 gal. \$2.25; 5 gal. \$4.00.

**SQUAT GLOBES.**—A new, popular style, wider and flatter than above. Same prices.

**DRUM STYLE.**—Shaped like a drum on edge, with opening at top. Prices, ½ gal. 60c; 1 gal. \$1.00; 2 gal. \$1.75. Same style in GREEN GLASS, 1 gal. \$1.15; 2 gal. \$2.00.

**WHEN?** We have the largest supply of Gold Fish on hand during the FALL, WINTER and EARLY SPRING. It is not safe to ship fish during the hot summer months.

## SONG AND CAGE BIRDS

We are the largest importers and dealers in Birds and Gold Fish in the Northwest. This department of our business has grown rapidly and we have incorporated the **Routledge Bird, Pet and Animal Company** with headquarters at our new East Side Store, Grand Avenue and Stark. We Guarantee Our Singers and Will Exchange If Not Satisfactory.



### IMPORTED AND AMERICAN CANARIES

Their cheery song is like sunshine to the soul; their bright plumage, active ways and cheerful dispositions make them great favorites. For your convenience we have inclosed with glass "Bird Parlors" on our first floor. You are welcome at any time. Come in and see our birds and hear them sing.

**ST. ANDREASBERG.**—World-renowned and the sweetest singers on earth. These birds have been given a musical training; their song is sweet and soft with many rare and pleasing notes, trills, rolls, etc. Prices: Imported Singers, \$10 to \$12.50; Females, \$2.50.

**NOTE.**—Some try to get a fancy price for American raised St. Andreasberg, but they do not have the correct song. We sell them if they have had good training as select Hartz Mountain Singers.

**HARTZ MOUNTAIN SINGERS.**—Beautiful and incessant singers, always bright, active and cheerful. Some singers in this class are almost equal to the above, especially where they have had special training. Prices: Males, \$5.00; selected Singers, \$7.50; select Females, \$1.50; ordinary, \$1.00.

### PARROTS AND PAROQUETS

**AUSTRALIAN PAROQUETS.**—Often called Lovebirds. A little larger than a canary in size, long tails, plumage green, very intelligent and beautiful. Each, \$4.00; pair, \$7.50.

**PANAMA PARROT.**—The most popular with our trade. Easily taught. Deep green plumage. Young, 6 to 8 months old, each, \$30.00; Trained Talkers, \$35.00 and up.

**B B OR DWARF PARROTS.**—Their gentle disposition and winning ways make them great favorites. Green plumage. Each \$7.50.

### PARROT FOODS, TONIC, ETC.

**H. Q. MIXED PARROT SEEDS.**—This is our own mixture of clean, well cured sunflower, hemp, pumpkin and corn, properly mixed. Your "Polly" will like this. 25c lb.; 5 lbs. for \$1.00; postage extra.

**H. Q. SUNFLOWER.**—We offer only large, plump, full-meated seed properly cured; superior to the average stock sold. 20c lb.; 5 lbs. for 80c; postage extra.

**ROUTLEDGE GENERAL PARROT TONIC.**—Prepared by us expressly for parrots afflicted with indigestion, diarrhoea, catarrh and being off feed. Postpaid 30c.

**ROUTLEDGE PARROT SPRAY.**—Will cure parrots of the habit of biting off their feathers. Per bottle 50c; postpaid 60c.

**H. Q. PARROT INHALENT.**—For colds and catarrh. Directions on bottle. Price 50c.

### LOVE BIRD SEEDS

**LOVE BIRD (Parroquet) MIXED SEED.**—A perfectly balanced food. 1 lb. carton 25c; 6 for \$1.25; postage extra.

### GLASS BIRD BATH ROOM

Ideal in every way. To prepare the bath, fill the bottom half full of warm water, open the cage door and hook bath house before it.

**DELTA — NEW STYLE.**—Fits round or square cages. Strongly constructed, visible celluloid shield makes it light in weight. (See cut.) Price: Brass

**Delta Bath House** \$1.25; White, Red or Green Enamel \$1.00 each. For packing and postage send 15c extra.

### BIRD CAGE STANDS

**HALF CIRCLE.**—Solid base, all Brass, \$3.50 to \$4.00; COLORED to match cages above, \$4.00.

**FULL CIRCLE.**—Brass only, \$5.00 to \$6.00.

### ROUND PARROT CAGES

These are very popular on account of the low prices, from \$4.90 to \$16.50.

### CANARY WARBLERS

Train your bird to warble and whistle. Warbling imitation birds, with whistling tube attached. Fill with water and blow into tube to make warbling sound. 2½ inches high. Price each, metal, 25c; celluloid 35c, postpaid.

### BIRD CAGE SUPPLIES

All prices postpaid; 5c less if called for.

**CAGE CUPS.**—Open or closed tops, opal or plain glass. Each 20c, or 2 for 35c.

**SQUARE OR ROUND CAGE CUPS.**—25c.

**NOTE.**—When ordering by mail send outline drawing of style wanted.

**TONIC OR MEDICINE CUP.**—15c, 2 for 25c.

**BATHING DISHES.**—Oblong, 25c and 30c.

**BIRD NESTS.**—Wire or willow, 25c.

**NESTING HAIR.**—15c carton, 2 for 25c.

**CAGE SPRINGS.**—Single light 15c; heavy, 25c; double 35c; single with adjustable chain 35c.

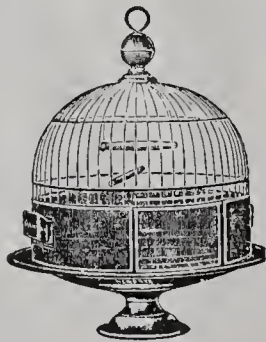
**CUTTLE BONE HOLDERS.**—15c; with bone 20c.

**WALL BRACKET HOOKS.**—Heavy nickel plated round wire, 10 inch., 35c; 12 inch., 50c. Brass, 5c higher.

### CANARY BIRD CAGES

We believe we carry in stock the largest stock of Plain and Fancy Bird Cages, Cage Stands and Bird Supplies, in the Northwest. See our stock and get our

Visit Our Bird Rooms when you come in.

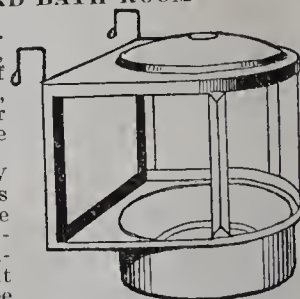


Imperial

### NEW COLORED CAGES

The new two-tone colored cages are now very popular. The general style is much like the "Imperial," but the base is flat, with straight sides. Very handsome looking cages. COLORS RED, BLUE or GREEN. All have seed screen guards and seed cups to match. Prices: 10-in., \$4.00 to \$5.00; 11-in. wide, \$5.00 to \$6.00.

**REMEMBER**—Our New East Side Store, No. 70 Grand Avenue, near East Stark, carries a full line of all stocks we catalog. No traffic congestion or parking limit there.





## Routledge H. Q.—"Highest Quality"—Bird Foods

We are making a specialty of Bird Foods and Remedies and carry in stock the largest and only complete line in the Northwest. Our rapidly increasing trade shows that the public appreciates the opportunity to get H. Q. "HIGHEST QUALITY" foods and remedies of "MERIT" for their pets.

### H. Q. ROLLER BIRD SEED

Our own special mixture for Hartz Mountain and St. Andreasberg Canaries; especially prepared for the singers. Contains no hemp, but the correct proportions of highest quality re-cleaned Canary, Sweet Rape, small Golden Millet and a few other seeds to give health and "pep" to the singers.

Try a package of our H. Q. and note the difference and also the saving, even though it is a little higher in price.

"H. Q." Sold Only in Sealed 1 Lb. Cartons

**PRICE.**—Large full pound cartons, with small envelope of Bird Sand and piece of cuttlebone, 25c, 6 for \$1.35, 12 for \$2.50. Add postage if wanted by mail.

**COMMON BIRD SEED.**—The best low-priced mixture sold, lb. 15c, 2 lbs. 25c, postage extra.

**H. Q. HEMP SEED.**—Hemp is the large, round, dark-grey seeds found in all cheap mixtures. It is very heating and fattening and should be fed sparingly and not to singers at all. Lb. 15c; 10 lbs. \$1.25.

**H. Q. CANARY.**—There is a big difference in the stock and quality of canary. Buy our re-cleaned imported seed. Quantity price on request. Lb. 20c; 10 lbs. \$1.50.

**H. Q. MILLET.**—Small golden soft, shell, fresh and re-cleaned. Lb. 15c; 10 lbs. \$1.25.

**H. Q. SWEET BIRD RAPE.**—Easily detected by the sweet taste. Beware of cheap rape. Large or small seed. Lb. 20c; 10 lbs. \$1.60.

**"H. Q." CRYSTAL AGATE BIRD GRAVEL.**—A new and ideal product, becoming very popular with bird fanciers. 2 lb. carton 15c.

**H. Q. SILVER BIRD SAND.**—White and clean; put up in 2 lb. cartons, 15c; in bulk, 5 lbs., 30c; 10 lbs. 50c.

**NIGER (Thistle).**—40c lb.

**MAW (Poppy).**—Bird tonic. 40c lb.

**LETTUCE SEED.**—For birds. 35c lb.

**CUTTLE BONE.**—High grade, large size. Each 10c, or 2 for 15c, postpaid.



**NOTE.**—Add postage to all foods above when ordering by mail.

These H. Q. Remedies are our own preparations and fully guaranteed. Our own experts and our Veterinarian know pet stock, their ailments and best cures. Consultation free. Complete instruction in each carton.

**ROUTLEDGE SONG RESTORER.**—For loss of voice and song. A wonderful preparation in dry granulated form. Used in conjunction with our liquid Song Tonic, alternating daily, invariably restores the song quickly. Postpaid 25c.

**ROUTLEDGE HEALTH FOOD.**—Feed in "tonic cup" twice a week. Especially compounded to combat intestinal ailments of birds, a trouble not generally understood but is the cause of many birds dying yearly. Postpaid 25c.

**ROUTLEDGE GENERAL TONIC.**—Made to meet a demand for helping birds in a rundown condition where there is no definite ailment existing, but still there is need for a tonic. Gives quick results. Put in water cup. Postpaid 25c.

**ROUTLEDGE MOULTING FOOD.**—Supplies the necessary elements of food value required by a bird at the beginning and during moulting time. Postpaid 25c.

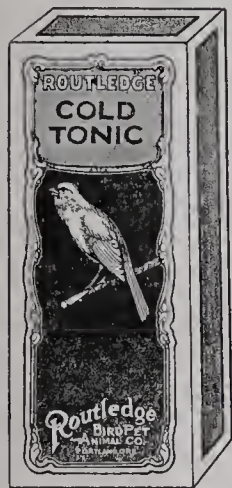
**ROUTLEDGE SONG TONIC.**—For loss of voice and diseases of the respiratory organs. Put in water cup. Postpaid 25c.

**ROUTLEDGE COLD REMEDY.**—Birds suffering from colds, asthma and kindred troubles should have immediate attention. Keep the remedy on hand. Postpaid 25c.

**ROUTLEDGE BIRD LAXATIVE.**—Composed of vegetable oils, effective but harmless. Postpaid 25c.

**ROUTLEDGE BIRD OINTMENT.**—To keep down the unusual dryness of the epidermis. Don't neglect the bird's feet and legs. Use this ointment for scales, roughness and leg mites. Postpaid 25c.

**ROUTLEDGE DIARRHOEA REMEDY.**—The best that money and skill can produce, without a peer for quick and healthful results. Use our Bird Laxative first. Postpaid 25c.



**ROUTLEDGE BIRL LINIMENT.**—One of the greatest remedies for diseases of the feet and legs of birds, also for skin troubles. Postpaid 25c.

**H. Q. CAGE WASH (Mite Destroyer).**—Tablespoonful to a quart of hot water. 25c, postpaid 30c.

**H. Q. LICE DESTROYER.**—Put up in a powder blower, all ready to use. 35c, postpaid 40c.

**H. Q. BIRD INSECT POWDER.**—For bird lice, etc. Pkt. 15c; large pkg. 30c, postpaid.

**H. Q. DEPLUMING MITE LIQUID.**—For loss of neck and head feathers. Postpaid 30c.

**CANARY LEG BANDS.**—Doz. 30c.

**BIRD MANNA, CANARY HIGH BALLS, or SING SONG.**—All well known combined foods and tonics. 15c; 2 for 25c; by mail 5c extra.

Canary Leg Bands, doz. 30c, postpaid.

Canary Nest Eggs, 10c each; 3 for 25c.

### BEST BOOK ON CANARIES

**"CARE, FEEDING AND BREEDING OF CANARIES."**—A book of real information regarding Canaries. Also informs you how and what to use to overcome disease and trouble. It is based on many years of experience and study; 48 pages, nicely illustrated and well printed on heavy book paper. **WORTH A DOLLAR**, but priced at 25c; postpaid 30c.

**NOTE.**—To be sure of our "H. Q." (Highest Quality) stocks see that the package is marked Routledge Seed & Floral Co. or Routledge Bird, Pet & Animal Co.

# ROUTLEDGE PRIZE ZINNIAS

## New Dahlia Flowered

This new, giant, double-flowered Zinnia is a wonder in size, shape, new colors, perfection and profusion of flowers. Plants grow sturdy and vigorous, about 3 feet high. Flowers 4 to 6 inches across, full, very deep and of the most wonderful shades. All of the usual colors and many rare, such as salmon, old rose, pink, cerise, strawberry red and autumn tints. We offer a very select strain of seed containing all novelties.

Your choice of the following: Large Pkt. 10c; all 8 colors, 60c; 1/8 oz. any kind, 60c.

**EXQUISITE.**—A charming true dahlia-flowered type of light rose, shaded deep rose at center.

**CRIMSON MONARCH.**—Largest and best of the red shades, plants vigorous.

**BUTTERCUP.**—An immense deep canary yellow. A desirable color for every collection.

**METEOR.**—A rich, glowing, deep red, darkest of all red shades. Very large.

**DREAM.**—A fine deep lavender turning to mallow purple. A new and desirable shade.

**ORIOLE.**—A very popular color, orange and gold; a bicolor changing slightly as it ages but very charming at all times.

**SCARLET FLAME.**—A large, beautiful bright scarlet, very showy.

**PURPLE PRINCE.**—A fine purple (Rhodanthe Purple), large and well formed.

**DAHLIA FLOWERED GOLD MEDAL.**  
**MIXED.**—Pkt. 10c; 3 for 25c; 1/4 oz. 60c.



**DAHLIA FLOWERED ZINNIAS**  
**Elegans Lilliput**

Small double flowers for borders and cut flower purposes. **Salmon Rose** and **Crimson Gem** are especially useful to florists. Pkt. 10c; 1/4 oz. 40c.

## Cornucopia Zinnias

A new unique type. Small flowers like a pompon Dahlia. They come in **Pink**, **Rose**, **Yellow** and **Buff**. Pkt. 25c, 3 for 60c.

## Early Wonder

A new race of early flowering Zinnias producing masses of **Pumila** type flowers on long stems. **Fiery Salmon Pink** or **Rose Pink**. Your choice, Pkt. 25c; 2 for 40c.

## Giant Mammoth

These wonderful new novelties, a cross between the **Dahlia** and **Double Giant**, show smaller centers and more loosely placed petals, while the size of the flower is immense. (3 feet).

**PRICES.**—Your choice of the following—Pkt. 10c; collection of 6 for 50c; 1/8 oz., any color, 50c.

**ORANGE KING.**—A striking shade, glowing orange.

**SCARLET GEM.**—One of the brightest in this class; a rich, glowing scarlet.

**LEMON QUEEN.**—Of immense size and unique inasmuch as it carries a pleasant odor; light canary on upper side of petals, cerise on lower; the whole blending into a variety of lemon tints delightfully different.

**ORANGE QUEEN.**—Not as dark as **Orange King**; distinct from all other shades.

**PURITY.**—A pure white, without the objectionable "green" tint that has made white zinnias so unpopular in the past.

**ROSE QUEEN.**—Opens bright rose with deep rosy red center; gradually develops into a warm, deep rose in full bloom; a great favorite—size and form perfect.

**GIANT MAMMOTH MIXED.**—A grand mixture of all colors. Pkt. 10c; 1/4 oz. 60c.

## Double Giant Zinnias

These are the improved giant flowering type. Flowers are borne on long stiff stems and are of a semi-globular form, very full and double. Excellent for cutting. Plants grow 2 1/2 to 3 feet high and produce very freely handsome flowers, many measuring from 4 to 5 inches across and all of lovely rich and rare colors.

**SUPERB DOUBLE GIANT SPECIAL MIXTURE.**—Our own mixture of the finest colors. A blend of wide range and rare and rich colors. Pkt. 10c; 3 for 25c; 1/4 oz. 50c.

**DOUBLE GIANT.**—All colors mixed. Pkt. 10c; 1/4 oz. 30c.

## SEPARATE COLORS DOUBLE GIANT—

WHITE	LAVENDER
CRIMSON	SHRIMP PINK
GOLDEN YELLOW	BURNT ORANGE
PURPLE	DEEP BLUE
SALMON	RUBY RED
CANARY	MIXED COLORS

Your choice of above colors, pkt. 10c, or any SIX COLORS for 50c; 1/8 oz., any kind, 35c.

## Improved Double Dwarf Zinnia

**ELEGANS PUMILA.**—This improved strain of double, dwarf Zinnia is wonderfully adapted to beds or borders. The plants are of compact rounded form and produce from early summer until late fall, a multitude of medium size bright, showy rounded flowers on fine long stems.

We offer the most popular colors.

**BRIGHT SCARLET, GOLDEN YELLOW, SALMON ROSE, WHITE OR MIXED.** Pkt. 10c; 1/4 oz. 25c.

## Elegans Tall Double Mixed

A choice strain of medium-sized, double flowers (3 1/2 feet). Pkt. 10c; 1/4 oz. 25c.

**ZINNIA PLANTS.**—Strong transplanted plants. **ORDER EARLY** and we'll send in **PROPER SEASON.** Prices, prepaid: Separate colors (not less than 3 of a color), doz. 60c. Mixed colors, doz. 50c.

**Routledge Seed & Floral Co.** 70 Grand Ave.,  
145 2nd St.,

**Portland, Ore.**